

20000316.qrp v01_n762.qrl.20000316

Date: Thu, 16 Mar 2000 19:03:05 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1762

QRP-L Digest 1762

Topics covered in this issue include:

- 1) [65788] Re: HB: W1FB transmitter
by "Dan W. Dooley" <dandooley@pipeline.com>
- 2) [65789] Re: joining fists
by Dick Carroll <dixie@townsqsr.com>
- 3) [65790] RE: W1FB and 40 Meters
by N10DL@aol.com
- 4) [65791] CB Slider (Bill Torrance your email bounces)
by Bruce Muscolino <w6toy@erols.com>
- 5) [65792] Re: [FOX]: W1FB tonight
by N10DL@aol.com
- 6) [65793] Re: [FOX]: W1FB tonight
by "Dan W. Dooley" <dandooley@pipeline.com>
- 7) [65794] Minimal test bench calibrations.
by Ed Loranger <we6w@qsl.net>
- 8) [65795] RE: W1FB and 40 Meters
by Pete Burbank <plburbank@kih.net>
- 9) [65796] NEWS: Doc, K0EVZ, to get company in Bismarck, ND
by kb9iua@juno.com
- 10) [65797] Re: W1FB and 40 Meters
by "Michael Young" <mikey@mcs.com>
- 11) [65798] Re: joining fists
by MertNellis@aol.com
- 12) [65799] QRP HOMBREW NUMBER 2
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 13) [65800] Re: DSW-20 INFORMATION-- Help Please.
by KR0Y@aol.com
- 14) [65801] RE: Tuna Tin II
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 15) [65802] Favorite Band
by "James R. Duffey" <jamesd1@flash.net>
- 16) [65803] Favorite Band, 30 Meters
by "Mike Duke" <k5xu@concentric.net>
- 17) [65804] 30 meters and apartment living...
by jmarran@juno.com
- 18) [65805] Re: W1FB and 40 Meters
by Bruce Muscolino <w6toy@erols.com>
- 19) [65806] ATLANTICON: The Kite Thing (long-ish)

- by S LYON <sslyon@worldnet.att.net>
- 20) [65807] Re: Looking for used rotor control box
by Corky Kirk <w6ors@juno.com>
- 21) [65808] Re: Mailing list question
by "toby Deinhardt" <toby@netzartisten.de>
- 22) [65809] nEW WIRE/ROPE ANT
by hamjoel@juno.com
- 23) [65810] [FOX]: W1FB final log
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>
- 24) [65811] Ground loops & RG-174 inter-connections
by aa5yx@juno.com
- 25) [65812] CONTEST: QRP Calendar - This Weekend
by Ken Newman <N2CQ@citnet.com>
- 26) [65813] Re: W1FB and 40 meters
by "Gary Lee Phillips" <ka9nzi@arrl.net>
- 27) [65814] FOXHUNT:Team Scores
by Bruce Rattray <rattray@gpfn.sk.ca>
- 28) [65815] Re: W1FB and 40 meters
by "Gary Lee Phillips" <ka9nzi@arrl.net>
- 29) [65816] Antenna/SWR ??
by cd25d@rhapsodysails.com (Bill Slater)
- 30) [65817] HB: Low Phase Noise VFO
by Bruce Kizerian <kizerian@ced.utah.edu>
- 31) [65818] Re: R/S Mic help
by Ed Loranger <we6w@qsl.net>
- 32) [65819] XCVR: NC20 running temps
by Allan G Taylor <agtaylor@llnl.gov>
- 33) [65820] Re: R/S Mic help
by Ed Loranger <we6w@qsl.net>
- 34) [65821] Re: Antenna/SWR ??
by Gary Phillips <ka9nzi@arrl.net>
- 35) [65822] Re: Antenna/SWR ??
by Wb8siw@aol.com
- 36) [65823] Re: Antenna/SWR ??
by Allan G Taylor <agtaylor@llnl.gov>
- 37) [65824] Other Bands
by "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
- 38) [65825] 20 Meter test of DSW-20
by Ed Loranger <we6w@qsl.net>
- 39) [65826] LX8DL on 28.024.7 at 1650z 3/16/00
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 40) [65827] "Triple Crown Milliwatt Contest--Second Leg" Rules:
by "Jay Bromley" <w5jay@alltel.net>
- 41) [65828] HB0/DL1RWB on 28.003.7 at 1700z 3/16/00
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 42) [65829] Re: Mailing list question
by "Mark Erbaugh" <mark@microenh.com>
- 43) [65830] Re: [FOX] W1FB- Finally a pelt for W4BWS

- by w4bws@juno.com
- 44) [65831] Re: Other Bands
by "Rod, NØRC" <n0rc@qsl.net>
- 45) [65832] Re: ATLANTICON: The Kite Thing (long-ish)
by Skip <longbeard@cybernet1.com>
- 46) [65833] Re: TT30 output PI filter
by "Rod, NØRC" <n0rc@qsl.net>
- 47) [65834] FOXHUNT:Team Scores
by Bruce Rattray <rattray@gpfn.sk.ca>
- 48) [65835] help!
by "Art Neilson, WH7N" <art@hawaii.rr.com>
- 49) [65836] Re: Favorite Band, 30 Meters
by Curt Milton <wb8yyy@yahoo.com>
- 50) [65837] Why Murphy didn't come:
by hamjoel@juno.com
- 51) [65838] FOXHUNT:Team Scores
by Bruce Rattray <rattray@gpfn.sk.ca>
- 52) [65839] Re: Other Bands
by "Rod, NØRC" <n0rc@qsl.net>
- 53) [65840] QRP operating articles?
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>
- 54) [65841] RE: QRP operating articles?
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>
- 55) [65842] Kits: Best Bang for the buck under \$100
by "Doug Hendricks" <ki6ds@hotmail.com>
- 56) [65843] Re: QRP operating articles?
by "George T. Baker" <w5yr@att.net>
- 57) [65844] HB: 11M groundplane for Ham Bands?
by "Pete (N9SSA)" <n9ssa@arrl.net>
- 58) [65845] Electronics Textbooks FS
by "Ken Simpson" <W8EK@fdt.net>
- 59) [65846] Re: 11M groundplane for Ham Bands?
by "Mike Yetsko" <myetsko@insydesw.com>
- 60) [65847] QRQ net speed runs.
by Ed Loranger <we6w@qsl.net>
- 61) [65848] DJ-195T
by Dave Marling <dbm@klis.com>
- 62) [65849] FOX: W1FB and 40 meters
by Jim Glover <psykey@okcforum.org>
- 63) [65850] ArkieCon Pre-Registration up to 50
by "Jay Bromley" <w5jay@alltel.net>
- 64) [65851] Is this insane or what?
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 65) [65852] PSK-31: External sound cards
by Rod Johnson <ka7you@juno.com>
- 66) [65853] OP: 10,20,30,40, etc
by "Franco, Nicholas J" <franco@bnl.gov>
- 67) [65854] Re: Is this insane or what?

by "K7FD" <cqdx@teleport.com>
68) [65855] Is this insane or what?
by Ed Loranger <we6w@qsl.net>
69) [65856] Re: 11M groundplane for Ham Bands?
by "Cla KA0GKC" <ka0gkc@arrl.net>
70) [65857] SCAF Filter Info Needed ...!
by "Andy GM0NWI" <Gm0nwi@tesco.net>
71) [65858] RE: QRP operating articles?
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>
72) [65859] Re: Is this insane or what?
by "Samuel A. Falvo II" <kc5tja@armored.net>
73) [65860] Low Power Amateur Radio
by John Paul Dooley <w6zip@gte.net>
74) [65861] LZ-bound K2 to be checked out tonight.
by Allan G Taylor <agtaylor@llnl.gov>
75) [65862] Re: NorCal SMK-1 Rev 2 Prototype - Pictures & Schematic
by "Doug Hendricks" <ki6ds@hotmail.com>
76) [65863] RE: Is this insane or what?
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
77) [65864] Re: SCAF Filter Info Needed ...!
by Bill Jones <kd7s@psnw.com>
78) [65865] Re: LZ-bound K2 to be checked out tonight.
by Allan G Taylor <agtaylor@llnl.gov>
79) [65866] Re: 11M groundplane for Ham Bands?
by K2UD@aol.com
80) [65867] Re: HB: Low Phase Noise VFO
by Bruce Kizerian <kizerian@ced.utah.edu>
81) [65868] NB6M Paddle Construction Hint
by Joe Reed <joe@n9jr.dyndns.org>

Date: Wed, 15 Mar 2000 18:25:24 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [65788] Re: HB: W1FB transmitter
Message-ID: <003901bf8ede\$21c4e920\$05987b7b@CSS0048.bergenbrunswick.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yep, it's a current balancing issue, perhaps more than any gain consideration. 'Course there is a relationship there. I think that if there is a question about whether to put in the resistors or not, it's probably prompted by not having those exact values. Is that a fair assumption? I'll bet that you can go close to the value and be ok.

Same thing with parallel pass transistors in the regulator circuitry of a power supply. It balances current through the individual transistors. So, I second Curt's warning.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku

e-mail to: dandooley@pipeline.com

May Goddes love blest ye alle

SOC#198

"Ancient Pistol, I do partly understand your meaning."

-----Original Message-----

From: Curt Milton <wb8yyy@yahoo.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Date: Wednesday, March 15, 2000 3:58 PM

Subject: Re: HB: W1FB transmitter

>I don't have any first hand experience, but I would
>say DON'T DO IT! I suspect one transistor will kill
>the other without the resistors - and even if you
>double the power it will be hard to notice on the
>receive end! I suspect more than just the gain of
>each transistor is involved - for example they may not
>draw the same bias current. PA's need to be prudently
>designed to prevent instability.

>

>curt wb8yyy

>

>

>--- Wa3ptg@aol.com wrote:

>> I built a "Poor Hams" transmitter from the 1985 QRP
>> book. Used matched
>> 2N4401s in the final. Each transistor has a 5.6 ohm
>> emitter resistor. Doug
>> says in the book that the emitter resistor helps
>> balance the load between the
>> finals.
>> Since I matched the 2N4401s by gain, could I omit
>> the emitter resistors
>> without frying the finals?
>> I should try it for myself, but right now an RF amp
>> for the transmitter, and
>> a better receiver seem more important.

>>

>> Does building the "Poor Ham's" transmitter
>> constitute an admission of poverty?

>>

>> Yup! We poor.
>>
>>
>> Semity-tu
>> de Doubleyafreepeeteegee
>>
>
>-----
>Do You Yahoo!?
>Talk to your friends online with Yahoo! Messenger.
><http://im.yahoo.com>

Date: Wed, 15 Mar 2000 18:35:42 -0800
From: Dick Carroll <dixie@townsqr.com>
To: ai2q@ispchannel.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [65789] Re: joining fists
Message-ID: <38D0487E.DF8F3641@townsqr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

AI2Q Alex wrote:

>
>
> Many CW ops run kW transmitters. I have three such rigs here, a Ten-Tec
> Omni-V or a Heath SB-401 driving a Heath SB-220, or a homebrew pair of
> 4-400A tetrodes for 160 meters, or a homebrew pair of 572B triodes for 80
> through 15 meters.

While many hams have the capability to run QRO CW, I don't think many actually use it often at all.

In my case, the only time I recall running high power CW in recent memory was when I worked VK0IR, the Heard Island DXpedition a couple years ago. The 20 meter band was nearly dead, but I had decent copy on them here in the Midwest. When my calls brought QRZ? the second time, I fired up the amplifier and then worked them on the first call at 1425 watts output.

That's almost never necessary. If I can hear them, they can hear me running 100 watts or much less.

73, Dick W0EX

Date: Wed, 15 Mar 2000 19:45:34 EST
From: N10DL@aol.com
To: qrp-l@lehigh.edu
Subject: [65790] RE: W1FB and 40 Meters
Message-ID: <ee.287bd64.260188ae@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Why would anyone want to use a band for the contest that is EASY to hear everyone on. The QRN, QRM and QSB just make it that much more interesting. Someone once said, "If it's too easy, it's not worth it". Just my thoughts.

Aron
N10DL
Bedford, NH
All the same numbers....

Date: Wed, 15 Mar 2000 19:50:14 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: QRP-L@lehigh.edu
Subject: [65791] CB Slider (Bill Torrance your email bounces)
Message-ID: <38D02FC6.2287@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill, and anybody else who wants to build a CB slider!

>
> I am looking at the CB Slider, but have a few questions, I
> don't see L2, L3, or L4 in the parts list, what are the values of the
> each?

The original unit used 1 mHy molded chokes for L2, L3, and L4. I suspect anything would work from around 100 uHy on up! Modifying the TT2 probably is not necessary beyond whatever wiring changes are required. The original was unmodified! However, you could substitute a molded RF choke of about 1/2 to 3/4 of what you are using with the crystal. Doug Hendricks may have something to say on the matter - he is the editor of the NorCal page. He did a great job.

>
73

Date: Wed, 15 Mar 2000 19:51:14 EST
From: N10DL@aol.com
To: qrp-1@lehigh.edu
Subject: [65792] Re: [FOX]: W1FB tonight
Message-ID: <6.3598587.26018a02@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

How about New Hampshire, say from the top of Mt. Washington in the springtime?
I can help arrange trying to get a setup in the observatory so all the
tourists could see what we do and how much fun it is.

Aron
N10DL
Bedford, NH

Date: Wed, 15 Mar 2000 18:52:28 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <N10DL@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [65793] Re: [FOX]: W1FB tonight
Message-ID: <005401bf8ee1\$ea2a74e0\$05987b7b@CSS0048.bergenbrunswick.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yea, everyone would probably hear you, but would you hear anyone?

Talk about RF overload up there.....

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail to: dandooley@pipeline.com
May Goddes love blest ye alle
SOC#198
"Ancient Pistol, I do partly understand your meaning."

-----Original Message-----
From: N10DL@aol.com <N10DL@aol.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Wednesday, March 15, 2000 6:53 PM
Subject: Re: [FOX]: W1FB tonight

>How about New Hampshire, say from the top of Mt. Washington in the
springtime?
>I can help arrange trying to get a setup in the observatory so all the
>tourists could see what we do and how much fun it is.
>Aron
>N10DL
>Bedford, NH

Date: Wed, 15 Mar 2000 16:15:37 -0800
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [65794] Minimal test bench calibrations.
Message-ID: <38D027A9.2C13@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Someone posted a question about what can be
done to calibrate your radio if you have
minimal test equipment. I didn't see any
responses and have to pick up a connector
at Radio Shack real soon but I'll add
a few pennies to the pot without getting
into some details I'd otherwise attempt.

On the 38 Special rig, I found you could be
nearly perfect by using a DVM in Amp mode
to monitor the current drain while transmitting
into a dummy load. This is the old "dip the finals"
tube TX trick. When set efficiently into a
proper matched load you'd get minimum current
into the final stage.

Listening to the sidetone audio distort while
transmitting was a clue you weren't properly
tuned up.

The OHR-100 Original output final was tuned
up this way initially as well and was nearly
perfect. However, the multiplied VFO signal
was difficult to get very clean and a scope
really helps. The OHR-100A employs many onboard
diode detectors and if you want to learn some
tricks, take a look at how those are used. Obviously

you won't have a picture of the waveform, and harmonics do upset the detected voltage, but a clean, single frequency signal gives the highest voltage and it works.

Calibrating my old HW-8 was a really tough experience without any test gear. I was successful setting dial calibration by using a free-running oscillator in the pixie2. This pixie2 broadband colpitts circuit still oscillates from 160M to just above the 15 meter band. Choosing different xtals to plug into a transistor socket of the oscillator provided excellent xtal stable signal sources. Using different xtals and/or harmonics, the HW-8 dial was eventually calibrated to original specs. The thermal drift of the rig was never fixed however.

For a broadband signal source an old Grid Dip oscillator can be usable and although unstable and harmonic rich depending on manufacturer, a general coverage receiver with good frequency counter can get you within a KHz of your desired frequency fairly reliably.

Using the audio chain as an audible signal strength indicator is a favorite trick too. You can easily peak IF centered input signals while just listening.

Frequency standards like WWV are there to be referenced as well. In fact, another neat trick is to wrap a wire around the whip antenna of a general coverage receiver and use the leakage IF from that receiver as your signal source, providing you know what that signal frequency is. This technique is employed in one of the old DRAKE TR-3 calibration steps.

Anyway, there are probably some more but gotta go.

72/Ed we6w

--

-72/Ed WE6W; A-1 OP; SOC #63 "AGN?"; QRP-L#1068

<http://www.qsl.net/we6w> Santa Rosa, CA

Cake paradox solution? Hide one and take the smaller.

Date: Wed, 15 Mar 2000 20:47:56 -0500

From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [65795] RE: W1FB and 40 Meters
Message-ID: <3.0.32.20000315204752.0068a530@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 07:45 PM 3/15/00 EST, you wrote:

>Why would anyone want to use a band for the contest that is EASY to hear
>everyone on. The QRN, QRM and QSB just make it that much more interesting.
>Someone once said, "If it's too easy, it's not worth it".
>Just my thoughts.
>Aron
>N10DL
>Bedford, NH
>All the same numbers....

I agree Aron. I bet that neither of us has ever fished in a
" Pay to fish- stocked catfish pond". :-)

73 Pete NV4V

>
>

Date: Wed, 15 Mar 2000 21:16:23 EST
From: kb9iua@juno.com
To: qrp-1@lehigh.edu
Subject: [65796] NEWS: Doc, K0EVZ, to get company in Bismarck, ND
Message-ID: <20000315.200718.5367.1.kb9iua@juno.com>

QRPers:

I got the news this afternoon that our own Doc, K0EVZ,
won't have to be the only QRPPer handy out QSOs from
the sought-after state of North Dakota. KB9IUA, me,
will be joining him for a year starting around August.

My wife, who is a seminary student studying to be a pastor,
received her internship assignment for next year. Yep,
to Bismarck, ND. As the family (me, kids and cats) will be
accompanying her, I'll get to be KB9IUA/0 for a year.

Cheers/73. Kevin, KB9IUA

* * * * *

Kevin Anderson, KB9IUA, Rock Island IL EN41

e-mail: KB9IUA@juno.com Opinions all my own.

* * * * *

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 15 Mar 2000 20:32:17 -0600

From: "Michael Young" <mikey@mcs.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [65797] Re: W1FB and 40 Meters

Message-ID: <001701bf8eef\$dd2412c0\$7004a2c6@flotsam>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Sweet lemons? There's nothing wrong with fishing free from a stocked pond. Ultralight gear works just fine in those waters. Try sewing thread (milliwattting?) if you're looking for a real challenge. It seems to me the band seems ideal for our use. My agenda would be served by encouraging more QRP activity on this "dead" band.

Michael.

K9ZC

----- Original Message -----

From: "Pete Burbank" <plburbank@kih.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Wednesday, March 15, 2000 7:47 PM

Subject: RE: W1FB and 40 Meters

> At 07:45 PM 3/15/00 EST, you wrote:

> >Why would anyone want to use a band for the contest that is EASY to hear

> >everyone on. The QRN, QRM and QSB just make it that much more interesting.

> >Someone once said, "If it's too easy, it's not worth it".

> >Just my thoughts.

> >Aron

> >N10DL

> >Bedford, NH

> >All the same numbers....

>

> I agree Aron. I bet that neither of us has ever fished in a

> " Pay to fish- stocked catfish pond". :-)
> 73 Pete NV4V
> >
> >
>

Date: Wed, 15 Mar 2000 22:20:17 EST
From: MertNellis@aol.com
To: bill@pcatexas.com, qrp-1@lehigh.edu
Subject: [65798] Re: joining fists
Message-ID: <27.2fdd5b0.2601acf1@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Bill,

In regards to your inquiry about fists and power-- I guess from my experience of making Fists contacts most of us are using 100 W or less and there definitely are many qrp operators as well. You will notice the special qrp column in the Fists monthly news too. I started out in Fists using 80-100W but since I started doing some kit building and qrp contests many Fists contacts are made at qrp levels. It doubles the fun of the nice rag-chews available with Fists---and the calling frequencies are so close that running across a Fists stn is easy.

Hope to have a Fists QSO with you soon. 73 Mert WOUFO Fists #3823
cc 500. SOC#89 QRPARCI #9720 MNQRP#71

Date: Wed, 15 Mar 2000 22:23:34 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "njqrp@njqrp.org" <njqrp@njqrp.org>, "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [65799] QRP HOMBREW NUMBER 2
Message-ID: <38D053B6.CFF6EF7A@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I just got the second issue of QRP Homebrew in the mail today.

Very Nice.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Wed, 15 Mar 2000 22:23:40 EST
From: KR0Y@aol.com
To: qrp-1@lehigh.edu
Subject: [65800] Re: DSW-20 INFORMATION-- Help Please.
Message-ID: <13.2a4285c.2601adbc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I had noticed something like this on my DSW-40, but I'd not paid anymore attention to it and forgot about it (I haven't used my rig for a while - been too busy). I'll check it out with my spectrum analyzer at the shop, tomorrow, and post what I find.

John Rayfield, Jr. - KR0Y
Springfield, Missouri

Date: Wed, 15 Mar 2000 22:28:34 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [65801] RE: Tuna Tin II
Message-ID: <38D054E2.4E7F69A4@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm sure there is some logic to improving upon the basics but the whole point of the TT2, I feel, is an extremely low cost way to get on the air. You could add a dozen or so bell's and whistles to the rig and when your doen you would have a nice piece. I'm just not sure if it would still be a TT2 anymore. Just like there is Mojo in the K2, there is Spirit in the original TT2 design. Not a very scientific position, but a heck of a lot of fun.

> Has anyone considered possible RF losses through these small toggle
> switches? They make xmt/rcv changeover easy and cheap, but I've
> wondered
> how much attenuation and or load mismatch may occur through them.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Wed, 15 Mar 2000 21:40:12 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [65802] Favorite Band
Message-ID: <200003160440.WAA14607@chupacabras.flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

I am not sure why 40 M has become the favorite QRP band, but I must say that most of the explanations offered here ring true. I must also say that 40 M is one of my least favorite bands. I suppose that this goes back to my Novice days, 7150 to 7200 Mcps era, when we shared the band with Radio Moscow, Radio Habana Cuba, BBC, and overseas VOA. I had a crystal on 7175 as did 75% of all novices. Things are not much better these days with SSB and digital modes common near the QRP frequency.

30 M is my favorite QRP band. Absorption losses are less than at 40 M so DX is easier to work, like 20 M. Like 40 M it is usually open somewhere. QRN is much less of a problem than on 40 M. Antennas are more manageable and a dipole up a half wavelength is much easier to manage than at 40 M. 30 M is less than crowded than 40 and 20. The 250 W power limit, combined with few stations with beams, makes the differences between the loudest and weakest stations on the bands less than on other bands.

There are other considerations that go into choosing a "favorite band". I'll touch on those in another post later. - Dr. Megacycle KK6MC/5

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Wed, 15 Mar 2000 23:19:35 -0500
From: "Mike Duke" <k5xu@concentric.net>
To: "qrp" <qrp-1@lehigh.edu>
Subject: [65803] Favorite Band, 30 Meters
Message-ID: <000701bf8eff\$a1d72760\$1f320140@k5xu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It gets my vote too.

My OHR-100 is the perfect rig for an apartment. I'll be active on 30 again as soon as they finish re-modeling the exterior of my building. Then, I can re-hang my long wire.

Mike Duke, K5XU, president,
Mississippi Council of the Blind

Date: Thu, 16 Mar 2000 00:33:11 -0500
From: jmarran@juno.com
To: QRP-L@Lehigh.edu
Subject: [65804] 30 meters and apartment living...
Message-ID: <20000316.003323.-338705.3.JMarran@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hello folks....

My XYL Deanna and myself have recently gotten a townhouse with pretty strict antenna restrictions...so the most logical choice to me was the MFJ-9030 with an Isotron "loop" antenna. Once we are all moved in, and the shack is up and running, I'll reply to this again. If anyone has any other tips about 30, I'd appreciate them.

John Marranca, Jr
KB2HSH
Amherst, NY

Attention Ten-Tec Powermite owners: Powermite Owners Group website:
<http://homestead.juno.com/jmarran/KB2HSH.html>

Date: Thu, 16 Mar 2000 00:53:30 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: plburbank@kih.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [65805] Re: W1FB and 40 Meters
Message-ID: <38D076DA.11DF@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Pete, and Aron,

I guess the point of a contest is to work as many of whatever stations are on the air as yuo can. Note, thsi is different from a fox hunt. A fox hunt is more analogous to working a DXpedition.

I think for most contests yuo pick the band, or bands, that will let you reach your scoring goals with the least amount of work. For example, you wouldn't want to try to set an overall record in the California QSO party on 80 meters if you lived in Maine! Of course, any entry you made would probably set some sort of record on 80, just not the maximum. (I remember once setting first in the ARRL DX Contest from Holland on 40 meters, though).

Working a DXpedition is another matter. You are only trying to work them ONCE. You have to learn to manage the pile up to your advantage. That means listening to the DX station, or FOX, and seeing where he is answering QSOs at the time. Is he following any sort of pattern? Or is he just working the loudest stations. By listening to his transmissions you can figure out a pattern and try to be in the best spot at the right time!

Both contesting and DXpeditions contribute to your overall proficiency as an operator. The FOX hunt is a good way to start. Also don't avoid the QRP ARCI contests, they are a good low pressure way to gain experience.

73

Date: Wed, 15 Mar 2000 23:41:37 -0500

From: S LYON <sslyon@worldnet.att.net>
To: qrp chat <qrp-1@Lehigh.EDU>
Subject: [65806] ATLANTICON: The Kite Thing (long-ish)
Message-ID: <38D06600.8C110842@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Had and "interesting" evening tonite (Wed) with my Double-Sled. Just finished building last nite and wanted to test it before packing for a biz trip >> ATLANTICON. Our 110 lb "Bouvador" mutt and I decided to go to a big clearing on the shores of the mighty Hudson to test fly it. Wasn't sure there was enough wind by ground indications, but that's usually deceptive. Got the Bridle lines adjusted, the strobe taped on and hooked up the fly-line, about 500' of #36 "Seine Line" with what I think is nominally 250 lb test. Opened up the kite and propped it against a huge swing gate and laid out about 200' of line for launch.

On the next "puff" of wind I gave it a tug and up she went -like magic. Then it found some wind. I knew I was in trouble immediately when the line sang out like the high "E" on my old Gibson and I couldn't keep my footing without digging my heels in. Sara Heartburn, (our Bouvador) got worried and headed for the river. During "lulls" I managed to get out another 150' or so, but then the wind freshened and I had to find something to secure to. (what ever happened to the usual sunset lull?) Luckily, a small locust tree/sapling was available. Unluckily, small locust trees have terrible barbs all over them.

The short of it is that I didn't have the strength left to secure it satisfactorily, and I had to hang on to that dang H-winder as best I could until a big puff finally came along and parted the line. This was after 30 min. of big-time struggle and real worry about safety and getting the thing down. So now it's nearly dark and the kite, strobe and about 250' of the new line is sailing out into the little bay at the Beacon Sloop Club & Nuclear Physteritor, about 1/4 mile away.

Sara and I drove over there just in time to see it sinking about 60 yds out. My heart sank, as I was really hoping to feature it at ATLANTICON hoisting a 20m EDZ. With great sadness and a wet, smelly dog I went home to make supper and figure out how I was going to convince XYL Sharon to help me load up the canoe after late supper (she works too) and try to find kite in the dark. She's such a gem... we got in the water by 9:00 PM and SAW THE STROBE out there in the dark! The line had draped over an old piling and as the kite drifted it lifted the strobe up to surface. Half hour later everything was back on land and I'm very, very thankful.

INVITATION
=====

I'll have the kite and a 94' EDZ vertical at ATLANTICON, and (only) IF we can find a suitable site to fly it, folks will have the opportunity to hook up thier rigs/tuners to a truly unique experience. See April QST for the story of NE2Q & AA1MY/kite on 160m, esp. the QRP part.

G'nite... I'm tired.

73

-s-

--

'Seab' Lyon - AA1MY
Beacon NY USA FN-31
QRP-L 574 ARCI 9253

Date: Wed, 15 Mar 2000 21:48:33 -1000
From: Corky Kirk <w6ors@juno.com>
To: qrp-l@lehigh.edu
Subject: [65807] Re: Looking for used rotor control box
Message-ID: <20000315.221734.-705247.0.w6ors@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

3-15-00

Try NORM'S ROTOR PARTS

5263 Agro Dr, Fredrick MD 21703

301-874-5885

He advertizes in World Radio and I've had some positive dealings with him. He's W3NRS.

73,

Corky W6ORS

Hilo HI

On Wed, 15 Mar 2000 09:47:18 -0600 Johnny <km5im@telepath.com> writes:

> Hi

>

>

>

> I am looking for a place that sells used rotor parts, if there is
> any

> please. The rotor that I have is a CD II four wire, looking for a
> control boxes for it, so that I can finish putting up my homebrew

> beam
> that I have built. Thanks
>
>
> Johnny KM5IM
>

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 16 Mar 2000 12:14:27 +0100
From: "toby Deinhardt" <toby@netzartisten.de>
To: qrp-l@lehigh.edu
Subject: [65808] Re: Mailing list question
Message-ID: <200003161114.MAA17576@mail.camelot.de>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

> Anyhow, assuming ver. 5. Go to Tools/Message Rules/Mail. I'm sure you know
> that though. Instead of relying on content within the Subject box, go to
> the "Where the To line contains people" choice. In that line, enter "Low
> Power Amateur Radio Discussion". Then simply tell it where to put those
> messages.

I use X-Orcpt: line of the header which contains among other things
qrp-l@listserv.cc.lehigh.edu. Using the X-To: line and looking for "Low Power
Amateur Radio Discussion" should work just as well.

The entire header looks like this:

Return-Path: owner-qrp-l@Lehigh.EDU
Received: from astro.CC.Lehigh.EDU (astro.CC.Lehigh.EDU [128.180.39.2])
by mail.camelot.de (8.9.3/8.9.3) with ESMTP id WAA15565
for <toby@netzartisten.de>; Wed, 15 Mar 2000 22:22:17 +0100 (CET)
Received: from localhost ([127.0.0.1]:55054 "HELO astro.CC.Lehigh.EDU") by
astro.CC.Lehigh.EDU with SMTP id <76337-8273>; Wed, 15 Mar 2000 16:21:24 -0500
Received: from nss4.CC.Lehigh.EDU ([128.180.39.1]:34784 "EHLO
nss4.cc.lehigh.edu") by astro.CC.Lehigh.EDU with ESMTP id <77034-8274>; Wed, 15
Mar 2000 16:20:55 -0500
Received: from tisch.mail.mindspring.net (tisch.mail.mindspring.net
[207.69.200.157])
by nss4.cc.lehigh.edu (8.9.3/8.9.3) with ESMTP id QAA21058

for <qrp-1@Lehigh.EDU>; Wed, 15 Mar 2000 16:20:52 -0500
Received: from dooleydw (user-33qse9q.dialup.mindspring.com [199.174.57.58])
by tisch.mail.mindspring.net (8.9.3/8.8.5) with SMTP id QAA21701;
Wed, 15 Mar 2000 16:17:44 -0500 (EST)
Message-Id: <003501bf8ec3\$639a80a0\$04987b7b@dooleydw>
Date: Wed, 15 Mar 2000 15:13:58 -0600
Reply-To: dandoooley@pipeline.com
Sender: owner-qrp-1@Lehigh.EDU
Precedence: bulk
From: "Dan W. Dooley" <dandoooley@pipeline.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: Re: Mailing list question
References: <000b01bf8ec1\$177c07e0\$0e00000a@p300>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-To: <mark@microenh.com>, "Low Power Amateur Radio Discussion"
<qrp-1@Lehigh.EDU>
X-Priority: 3
X-MSMail-Priority: Normal
X-Mailer: Microsoft Outlook Express 5.00.2314.1300
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
X-Orcpt: rfc822;qrp-1@listserv.cc.lehigh.edu
X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN
X-Receipt-To: toby@netzartisten.de
X-UIDL: 2cd61e7bd4a78197c9dc3832e1546efa
Status: U

Date: Wed, 15 Mar 2000 19:33:00 -0500
From: hamjoel@juno.com
To: qrp-1@lehigh.edu
Subject: [65809] nEW WIRE/ROPE ANT
Message-ID: <20000316.063148.-132145.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

WELL....

MURPHY did not show up... everything went as planned... no problems....
amazing

I put up four elements on twenty meters...

ref...driven...dir1...dir2...the spacing was .2wave or 14ft...

I hung the yagi in the vertical plane... so the top of the reflector was
about 45ft high

the center of the driven element was about 28ft high and the bottom of

the elements about ten feet off the ground....

my 40mtr horizontal loop which is right next to the reflector...is also 45ft up and so far has out received the beam....by many s units....

moldovia... italy.... spain... all better on the loop....

THIS MEANS WAR...

Tomorrow I will move things around and put the 20mtr beam horizontal and at 45ft also and it should kick..... whatever it is that gets kicked with these things....

Because I had it hanging vertically I thought it would give me a mean low angle dx antenna.... hmmm seems this isn't the first time I've been wrong today....

Joel KE1LA

In Maine

cajun country was never like this

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 16 Mar 2000 09:32:55 -0500

From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>

To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.edu>

Subject: [65810] [FOX]: W1FB final log

Message-ID: <125490A005E3D3118C9C00805FC743CC08D44E@mail.arrl.org>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Here is the final log for W1FB/FOX. My apologies for the minor faux pas I had made. Most of them were okay on the paper logs. VE3JC and KB9IUA had good QSOs, but were accidentally left off of the log I posted. My only excuse is that I was up until 1:30 AM and then did my preliminary log at 5:00 AM, without the benefit of ARRL Lab coffee. (You know, that is a pretty good excuse! I will have to remember it. :-)).

There are two QSOs I want to point out (one of which is not with a QRP-L number, so it doesn't appear in this final log). At 0310, I worked W1CER, Dave DeMaw. He applied for Doug's first call as a vanity and it was granted a few days ago. At 0456, I worked N3EFH, Bernie Fuller. Bernie is the ARRL Atlantic Division Director. He is, btw, quite interested in QRP, so those of you who are in the Atlantic Division should let him know you appreciated seeing him in the action. His email address is n3efn@arrl.org.

Again, thanks to all for this wonderful opportunity!

73, Ed Hare, W1RFI

Time	Station	Sent	Rec'd	SPC	Name	QRP-L number	Comments
0300	K1JD 579	589	RI	John 1945	W1FB	rig original	
Tuna Tin 2							
0302	W8RU 579	559	MI	Ron	188		
0304	K1QM 599	579	MA	Joel	337		
0306	K1VP 579	559	NH	Ed	1960		
0308	WD8KQY	579	559	OH	Gary	446	
0309	VE3JC	579	539	ON	John	744	
0310	W1CER	579	559	CT	Dave	2156	Dave Demaw
0312	N1TP 559	339	FL	Tom	1317		
0314	N1ODL	559	599	NH	Aron	1326	
0315	W2APF	599	599	MA	Thaire	2062	
0315	AJ4Y 559	559	FL	Paul	1795		
0316	N3YSI	559	559	PA	Paul	1835	
0317	VE1MT	599	599	NS	Layton	1448	
0318	KC1FB	559	559	CT	Jim	29	
0320	KB1ENS	599	599	VT	John	2150	
0324	K2QO 559	559	NY	Mark	314		
0325	W2XN 559	539	FL	Fred	1728		
0327	N9AW 559	559	WI	Jerry	1271		
0330	N2ZHY	559	359	NJ	David	2067	
0332	NK9G 559	559	WI	Rick	2061		
0324	N4ROA	559	339	VA	Dan	970	
0328	N5TW 559	559	TX	Tom	1474		
0332	K2JQ 559	339	NY	Dick	1811		
0339	K3NY 559	559	MD	Nick	1927		
0342	K8DD 559	549	MI	Hank	246		
0348	K8CV 559	559	MI	Walt	935		
0350	N0EA 559	559	MO	Wayne	1058		
0352	K0EVZ	559	549	ND	Doc	861	
0353	AF4PS	559	559	FL	Mac	704	
0354	KF2PH	559	559	NY	Nick	13	2X TT2!
0359	K0PC 559	339	MN	Pat	1964		
0404	KB9IUA	559	229	IL	Kevin	384	
0417	W2ZK 579	579	NJ	Ted	2158	Switched to Omni D 5	
W							
0418	W0CH 559	559	MO	Dave	618		
0422	KI0II	599	459	CO	Ron	928	
0423	WS4S 559	559	TN	Conard	993		
0425	W1XT 559	579	AZ	Bob	262		
0427	N0DT 559	559	MO	Dan	1004		
0432	W4BWS	559	559	FL	Don	1557	
0434	NV4V 559	559	KY	Pete	1721		
0436	NC90 579	559	IL	Skip	913		
0441	W0DC 559	599	MN	John	367		
0447	N0RC 559	339	CO	Rod	1764		

0448 N5UW 559 339 OK Clif 478
0449 N0AR 579 559 MN Scott 1455
0450 VE5RC 559 119 SK Bruce 886
0453 W0JOE 559 559 MO Joe 1901

Date: Thu, 16 Mar 2000 10:07:45 -0500
From: aa5yx@juno.com
To: qrp-l@lehigh.edu
Subject: [65811] Ground loops & RG-174 inter-connections
Message-ID: <20000316.100746.3430.0.aa5yx@juno.com>

Mornin' all,

I'm currently working on a little homebrew concoction that requires me to connect two RF stages with RG-174. I don't know whether I should attach the braid of the cable to chassis ground at both ends or only one end. In several kits, these types of interconnections have specified that only one end of the coax should be grounded to the chassis. The other end of the braid "floats" in order to prevent ground loops.

However, when an external amplifier is attached to a transmitter, the interconnecting patch cable is grounded (via the braid) at both ends. Why doesn't this cause the potential ground loop problem cautioned against in various kit instructions?

Thanks for the tech assist!
72,

John Harper AA5YX/2
HW-9, OHR-100A/20, NC40A, SST30, SST40, DSW20
Outdoor QRP Page: <http://home.att.net/~j..harper>

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 16 Mar 2000 10:13:12 -0500
From: Ken Newman <N2CQ@citnet.com>
To: QRP-L@lehigh.edu, njqrp@njqrp.org
Subject: [65812] CONTEST: QRP Calendar - This Weekend

Message-ID: <3.0.6.32.20000316101312.009d15d0@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

~~~~~  
QRP CONTEST CALENDAR

March 18-20, 2000

~~~~~  
Virginia QSO Party (CW/SSB) ... QRP Category

Mar 18 - 1800z to Mar 20 - 0200z

Rules: <http://www.qsl.net/sterling/QSOParty-2.html>

~~~~~  
ATLANTICON QRP Convention ...QRP Building Contest(AND MUCH MORE)

Mar 24 - Mar 25

Details: <http://www.njqrp.org/atlanticon/>

~~~~~  
CQ World-Wide WPX Contest (SSB) ... QRP Category

Mar 25 - 0000z to Mar 26 - 2400z

Rules: <http://ourworld.compuserve.com/homepages/n8bjq/2000RULES.htm>

~~~~~  
RESCHEDULED:

Somerset Homebrew Contest (CW/SSB - 80/40 Meters) ...QRP Contest!

Mar 26 - 0900z to 1200z

Rules: see below

=====

Somerset Homebrew Contest:

The contest this year will be held between 0900z and 1200z on March

26th. 80m and 40m, around normal QRP frequencies.

1) The contest is open to all single operator QRP (max 5 watts cw, 10 ways ssb) stations using homebrew equipment. Either Tx or Rx (or both) must be homebrew, but it is not necessary to have built the equipment yourself.

2) Activity: around the normal QRP frequencies on 80m and 40m only. Any mode is permitted, and cross mode contacts are allowed. Any station may be claimed only once per band.

3) When: between 0900z and 1200z on Sunday March 26th.

4) Cal: "CQ HBC Contest" (ssb) or "CQ HBC Test" (cw).

5) Exchange: RST, SC number (you must start with any random serial number of your choice, not less than 100), Power. (eg 579/SC231/3W). Stations not in the contest can send any serial number (eg 579/001/2W).

6) Points: QRP/QRP 5  
QRP/QRP 1

The final score is the total number of points (there are \*no\* multipliers), BUT deduct 25 points from your total if you did not build either the Tx or Rx yourself.

Entries to G3XJS by 30 April, with log sheets showing times, stations worked, reports sent/received and points claimed. Please supply details of equipment used, power and antenna(s), together with a declaration that your station was operated in accordance with the rules. In the event of a tie, the winner will be drawn from a hat.

First prize is a 50 UKP voucher to be exchanged towards any current Walford Electronics product.

--

72, peter barville "g3xjs@qsl.net"

72 de  
Ken Newman - N2CQ  
Woodbury, NJ  
N2CQ@ARRL.NET

~~~QRP Contest Calendar~~~  
<http://www.njqrp.org/data/contesting.html>
~~~WQ2RP NJQRP Club Station~~~

-----  
Date: Thu, 16 Mar 2000 09:49:58 -0600  
From: "Gary Lee Phillips" <ka9nzi@arrl.net>  
To: qrp-1@lehigh.edu  
Subject: [65813] Re: W1FB and 40 meters  
Message-ID: <200003161549.JAA05360@mail.lib.colum.edu>

Oops, it seems I need to clarify my comments. In no way was I meaning to criticize the fox hunt event itself or the way it is organized. I think some heard me doing so and that was not at all my intent. I was idly wondering why we don't see \*other\* events that don't focus so heavily on 40 meters. As I have said in the past, the fox hunt just isn't my kind of thing, and I probably wouldn't have been listening Tuesday except for the special nature of the W1FB call.

There are personality issues here, I admit. Some people just love to push their way into a crowded, noisy bar amid a din of conversation and music so loud it makes your chest throb. Myself, I'm inclined to cross to the other side of the street to avoid such places and find it sheer torture to have to enter one (something I haven't done in many years now.) If I have to scream to make myself heard, it just doesn't seem worth it to me. Some people are fans of professional sports, too, but I am not at all interested in football, basketball, etc.

On the other hand, saying that people don't have equipment for 30 m. (or 15 m. or whatever) and that's why we are stuck with 40 m. all the time doesn't wash. It's a chicken or egg thing: no equipment, no activity--no activity, no equipment. Even what, 15+ years after it opened, we still don't see much going on at 10.1 MHz and I think there is yet an opportunity for QRP activity especially to take a kind of ownership there. The absence of phone QRM and kilowatt amplifiers alone makes it worth an effort to get there. The equipment exists, we just need to provide an incentive for more people to acquire and use it. Yes, I know, no contests on 30 m., but I don't think events like the fox hunt are really contests in that sense. And other operating events need not be contests at all, like the recent CCQRPC "super-secret" event. If things of interest were happening on 30 m., that would undoubtedly move more people to get their equipment working there.

I am quite willing to put in some time to help promote QRP activity on bands other than 40 m. But I can't do it alone, and I don't have the experience or voice of authority to make it happen by myself anyway. If anyone has an idea what can or should be done, and I can help, by all means let me know.

(Specifically on the subject of 30 m. I have a nice milliwatt transmitter that came from Oak Hills Research when Doug DeMaw was still involved there and I think was his design. It works FB, but I've never made a single QSO on it, mostly because much of the time when I listen to that band, there is no one there other than a few automated digital stations. I have crystals for 10.06 and 10.12. It can be operated in VXO mode by adding a variable cap but I've never done that since I've had so little opportunity to use it. I suspect there is a lot more 30 m. equipment out there than we realize, just sitting on the shelf like mine. And there are lots of all-band rigs in use that work on the WARC bands just as well as anywhere else.)

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>  
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg  
QRP-ARCI #5154 <http://www.netcom.com/~fuffle/>

-----  
Date: Thu, 16 Mar 2000 09:50:46 -0600 (CST)  
From: Bruce Rattray <[rattray@gpfn.sk.ca](mailto:rattray@gpfn.sk.ca)>  
To: QRP-Canada <[qrp-canada@lists.gpfn.sk.ca](mailto:qrp-canada@lists.gpfn.sk.ca)>, Low Power Group <[qrp-1@LeHigh.EDU](mailto:qrp-1@LeHigh.EDU)>  
Subject: [65814] FOXHUNT:Team Scores  
Message-ID: <Pine.LNX.3.95.1000316094339.9090B-1000000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

\*\*\*\*\*  
..DON'T FORGET FOXII, SEND YOUR "FINAL LOG" TO ME AS WELL  
AS TO PAUL...that will be a big help...thank you all....

\*\*\*\*\*

Fox Hunt 36 - N5IB -

\*\*\*\*\*

20th. MAINE BENGAL BEARS:Total=14      BLUE J's:Total=15

-----  
Jim - N5IB                                      John - VE3JC  
Butch - N5SMQ                                  Jim - VE6JWA  
Bill - NT1R                                    Jeff - VA3JFF  
Joel - KE1LA                                  Jon - TF3JA

EMPIRE HOUNDS:Total=20  
-----

Dick - K2JQ  
Kevin - N2T0  
Mark - N2JTW  
Nick - KF2PH

HOUSTON HOUNDS:Total=104"Sweep"

-----  
Bill - K5ZTY <-  
Bill - W5SB <-  
Terry - KQ5U <-  
Dan - KK5LD <-

NIGHT OWLS:Total=54

-----  
Ed - WE6W  
Rich - N5JI  
Dan - N7CQR  
Ben - NW7DX

RAIDERS OF THE LOST RF:Total=61

-----  
Fred - VE3FAL  
Earl - VE6EWM  
Mary - NA6E  
Bruce - VE5RC

SFBA FOGHORNS:Total=24

-----  
Bob - N6WG  
Conrad - NN6CW  
Andreas - N6NU  
Allan - K7GT

SWORDS:Total=58

-----  
Rick - WB6JBM  
Andy - KC8KFI  
Doc - K0EVZ <-  
Dan - N8IE <-

TEAM ScQRPion:Total=96

-----  
Floyd - NQ7X <-  
Gary - AB7MY  
Conard - WS4S <-  
Bob - NK7M <-

TEXAS TARANTULAS:Total=93"Sweep"

MANGY MUSHERS:Total=83

-----  
Pete - NV4V <-  
Paul - VA7NT  
Bruce - N7RR  
Ed - K1VP

OKLAHOMA TORNADOS:Total=69

-----  
Cliff - N5UW  
Royce - KE5TC  
Don - K5AAR <-  
Gody - AC6UV

SCATTER SHOT GUNNERS:Total=81

-----  
Mike - K1MG  
Jack - W5TFB  
Stan - N6XU  
Pat - K0PC

SWAMP RATS:Total=108"Sweep"

-----  
Tom - N1TP <-  
Mac - AF4PS <-  
Fred - W2XN <-  
Paul - AJ4Y <-

TEAM CRAMP.COM:Total=49

-----  
OJ - K10J <-  
George - K5VUU <-  
Mike - K5NZ  
Eric - NM5M

TESLA'S TERRORS:Total=129"Sweep"

-----  
Wayne - N0EA <-  
Dan - N0DT <-  
Tim - N0EHW <-  
Joe - W0JOE <-

UNDERDOGS:Total=104

-----  
Bill - K5LN <-  
Dave - N5IW <-  
Bob - AF5Z <-  
Tom - N5TW <-

WESTERN WRANGLERS:Total=49

-----  
Randy - K7TQ  
Chuck - K7Q0  
Steve - WW7Y  
Ron - KU7Y

-----  
Roy - AB7CE  
Dan - N4ROA <-  
Brian - KB9BVN  
Ron - KI0II <-

NORTEX Irregulars:Total=15

-----  
Doc - W5TB  
Joe - KK5NA  
Don - N5YAK  
Barb - KK5QA

...72 - Bruce(VE5RC+VE5QRP)

-----  
Date: Thu, 16 Mar 2000 09:56:50 -0600  
From: "Gary Lee Phillips" <ka9nzi@arrl.net>  
To: qrp-1@lehigh.edu  
Subject: [65815] Re: W1FB and 40 meters  
Message-ID: <200003161556.JAA05425@mail.lib.colum.edu>

Never fails---read it over twice and still miss the mistakes.

Obviously, those crystals are for 10.106 and 10.112. No, I don't operate out of band, at least not intentionally. ;-)

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>  
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg  
QRP-ARCI #5154 <http://www.netcom.com/~fuffle/>

-----  
Date: Thu, 16 Mar 2000 09:59:17 -0600  
From: cd25d@rhapsodysails.com (Bill Slater)  
To: "qrp-1" <qrp-1@Lehigh.EDU>  
Subject: [65816] Antenna/SWR ??  
Message-ID: <000d01bf8f60\$95b0fd60\$5576130c@willies>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello to all

Well its time for more questions.....

When using a "good" antenna tuner how closely must the dipole length match the  $ft=468/f$  (mHz) formula?????

I cut my dipoles a little long and according to the swr reading, am within the 1.5 - 2 SWR range. Am I missing something or is that okay.

73's

KD5GCX

Bill

BTW, dumb question!! are 72's QRP for 73s?

bs

S/V Rhapsody

<http://www.rhapsodysails.com/sailing.html>

-----  
Date: Thu, 16 Mar 2000 09:09:21 -0700  
From: Bruce Kizerian <kizerian@ced.utah.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [65817] HB: Low Phase Noise VFO  
Message-ID: <38D10731.4396E129@ced.utah.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Does anyone have any good input or designs for building a low phase noise VFO for in the 28Mhz range? Working on another receiver project and could use some help with this. As usual, I will share what I learn with the group.

Thanks in advance

Bruce kk7zz

-----  
Date: Thu, 16 Mar 2000 08:18:20 -0800  
From: Ed Loranger <we6w@qsl.net>  
To: Ed Vines <evines@garlic.com>  
Cc: elecraft@qth.net, Low Power Amateru Radio Discussion <qrp-1@lehigh.edu>



Subject: [65818] Re: R/S Mic help  
Message-ID: <38D1094C.B46ED5FC@qs1.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Yes, that was my post. Last night I wired the configuration jack straight across to the matching pins. That is 1:1, 2:2. etc.

I'll configure the microphone to work with that configuration so that a future "Elecraft KM2" microphone if sold, will be a direct connect.

I haven't totally finished my review of the microphone so take this with a grain of salt:

I'll test this configuration:

MIKE        K2 JACK pin#  
4      ---->    1 Audio out Hot  
2      -----> 3 PTT  
1 ----->    7 or 8 (ground) (Audio gnd.)

For VOX, I believe I have to open the mike and hardwire the microphone to be always connected. I think there is a 4th screw hidden under the model sticker.

Should test it out by the weekend.

Good Luck.  
72/Ed Loranger we6w

Ed Vines wrote:

> Hi Ed,  
> Was looking through the list earlier today and saw a post about an R/S  
> Dynamic mike and 8-pin connector. Well, I deleted it but think it was you  
> that posted it. I bought one today, not the amplified one, and am having  
> trouble figuring out (translating) its schematic to elecraft terms.  
> If it was not you, then I am hoping some kind soul on the reflector will  
> steer me straight. My local R/S did have an 8-pin connector, but before I  
> start surgery on the 5-pin din that came with the mic, I would like some  
> advice on the wire assignments.  
>  
> Thanks for all your informative posts to the list.  
>  
> Ed Vines

> KG6WU  
> Gilroy, CA  
> SOC# 34  
> K2-935

--

72/Ed we6w; A-1 OP; SOC#63; QRPL#1068  
<http://www.qsl.net/we6w> Santa Rosa, CA  
Addicted to peanut butter and honey sandwiches!

-----  
Date: Thu, 16 Mar 2000 08:32:32 -0800  
From: Allan G Taylor <agtaylor@llnl.gov>  
To: qrp-l@lehigh.edu  
Subject: [65819] XCVR: NC20 running temps  
Message-ID: <38D10CA0.568@llnl.gov>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I was debugging a minor problem in the construction of my Red Hot Radio version of the NC20 and happened to touch/feel the two metal can transistors Q3 and Q22. They are both 2N5179s and feel quite warm to the touch after just a minute or so of operation. Is this normal to have them be so warm?

Dare I say it... Inquiring minds want to know??!!

Oh, the minor problem happened to be a missing link (wire) in place of D24. Fixed now.

My epic adventure in trying for QRP DXCC in the year 2000 continues. In a 30 minute time gap between jobs, I managed to work three new ones towards that goal. 9M2AX, G3HFA, and 9A2TN. A few got away to be snagged next time (9M6JU, 9V1BG). Only 9M2AX was on 10, the others (amazingly enough) were on 20m. Not QRP, but I stumbled across A45XR for #216. I ran out of time to try it (marginal anyway) /QRP. 36 worked QRP isn't too bad for at most an hour a day, weekdays only, since Feb 22.

Think field-portable, think field-portable. (QRPTTF is a-comin')

73 Allan K7GT

--

Allan Taylor K7GT agtaylor@llnl.gov  
DXCC/40CW DXCC 2000 Millenium award  
SOC #6 QRP ARCI #10146 HI/QRP #93

-----  
Date: Thu, 16 Mar 2000 08:31:42 -0800  
From: Ed Loranger <we6w@qsl.net>  
To: Ed Vines <evines@garlic.com>, elecraft@qth.net, Low Power Amateru Radio  
Discussion <qrp-l@lehigh.edu>  
Subject: [65820] Re: R/S Mic help  
Message-ID: <38D10C6E.C2A05643@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Needed some more coffee. Sorry I didn't include  
the microphone part number.

Radio Shack: 21-1172D

-Ed we6w "72"

>Begin Quote<

Yes, that was my post. Last night I wired the configuration  
jack straight across to the matching pins. That is 1:1, 2:2.  
etc.

I'll configure the microphone to work with that configuration  
so that a future "Elecraft KM2" microphone if sold, will  
be a direct connect.

I haven't totally finished my review of the microphone so  
take this with a grain of salt:

I'll test this configuration:

MIKE        K2 JACK pin#  
4        ---->    1 Audio out Hot  
2        -----> 3 PTT  
1        -----> 7 or 8 (ground) (Audio gnd.)

For VOX, I believe I have to open the mike  
and hardwire the microphone to be always  
connected. I think there is a 4th screw hidden

under the model sticker.

Should test it out by the weekend.

Good Luck.

72/Ed Loranger we6w

Ed Vines wrote:

> Hi Ed,  
> Was looking through the list earlier today and saw a post about an R/S  
  
> Dynamic mike and 8-pin connector. Well, I deleted it but think it was  
you  
> that posted it. I bought one today, not the amplified one, and am  
having  
> trouble figuring out (translating) its schematic to elecraft terms.  
> If it was not you, then I am hoping some kind soul on the reflector  
will  
> steer me straight. My local R/S did have an 8-pin connector, but  
before I  
> start surgery on the 5-pin din that came with the mic, I would like  
some  
> advice on the wire assignments.  
>  
> Thanks for all your informative posts to the list.  
>  
> Ed Vines  
> KG6WU  
> Gilroy, CA  
> SOC# 34  
> K2-935  
>  
>

--  
72/Ed we6w; A-1 OP; SOC#63; QRPL#1068  
<http://www.qsl.net/we6w> Santa Rosa, CA  
Addicted to peanut butter and honey sandwiches!

-----  
Date: Thu, 16 Mar 2000 10:34:47 -0600  
From: Gary Phillips <ka9nzi@arrl.net>  
To: qrp-l@Lehigh.EDU  
Subject: [65821] Re: Antenna/SWR ??  
Message-ID: <38D10D27.AE8B04C0@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Under 2 for SWR may be OK depending on your transmitter. Some will be fine, some may have protective features or other elements that shut down or reduce power as the SWR rises. Under 1.5 is better than just under 2, of course.

When you read "SWR" are you reading it from between the transmitter and the tuner, or between the tuner and the antenna? This may seem like a dumb question, but sometimes people are looking at the SWR on the actual transmission line. If you are at 2 there and have a tuner between there and the transmitter, you should have little difficulty obtaining a good match for the transmitter output.

Oh, and yes, "72" is a QRP "73". Just another way of doing more with less, I suppose.

-----  
Date: Thu, 16 Mar 2000 11:39:11 EST  
From: Wb8siw@aol.com  
To: cd25d@rhapsodysails.com, qrp-1@lehigh.edu  
Subject: [65822] Re: Antenna/SWR ??  
Message-ID: <31.27f8ee1.2602682f@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi Bill:

An SWR of 2 or even 3 to 1 is perfectly acceptable. Provided the tuner keeps your transmitter happy by offering a fairly non-reactive load, your antenna will radiate just fine. If you were to take a Field Strength Meter and measure the performance of your dipole, you wouldn't be able to detect the difference between the antenna cut for 2 to 1 or 1 to 1 SWR.

Higher SWR can be a problem, particularly in the case of an antenna fed with poor quality coax. However, this crazy obsession with the "magical one-to-one SWR" you will run into amongst some Amateurs is just that: crazy.

Don't sweat the 2 to 1 SWR, get on the air, and have some fun!

73, Jim WB8SIW

When using a "good" antenna tuner how closely must the dipole length match the  $f = 468/f$  (mHz) formula?????

I cut my dipoles a little long and according to the swr reading, am within the 1.5 - 2 SWR range. Am I missing something or is that okay.

-----  
Date: Thu, 16 Mar 2000 08:40:28 -0800  
From: Allan G Taylor <agtaylor@llnl.gov>  
To: qrp-1@Lehigh.EDU  
Subject: [65823] Re: Antenna/SWR ??  
Message-ID: <38D10E7C.6DE9@llnl.gov>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

If you are using coax, it shouldn't matter if under 2.5:1 or so. The bigger issue is how well your transceiver can drive a non-50 ohm load. Most rigs will back off the output if the SWR rises about, say, 1.5 to 2.0. Some aren't bothered so much. My OmniVI doesn't seem to care at 1.8 (full bore) but the IC706 backs off to 60W in the same situation. QRP rigs are subject to the same issues but seldom have ALC on the PA stage. So, a HIGH SWR can lead to higher than desired voltages in the PA stage. I had an OHR100A (40m) that would occasionally break into oscillations. I tracked it down to feeding high SWR antennas with it without an antenna tuner.

Bottom line: the loss is negligible at less than 2.0:1 SWR but your rig (if particularly fussy) might not like it.

I personally try to have a SWR minimum at my favorite operating frequency.

YMMV.

Allan K7GT

--  
Allan Taylor K7GT agtaylor@llnl.gov  
DXCC/40CW DXCC 2000 Millenium award  
SOC #6 QRP ARCI #10146 HI/QRP #93

-----  
Date: Thu, 16 Mar 2000 08:44:44 -0800  
From: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>  
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>

Subject: [65824] Other Bands  
Message-ID: <60F1FEB31CA3D211A1B60008C7A45F430997FE23@blaze.bcsc.gov.bc.ca>  
Content-return: allowed  
MIME-version: 1.0  
Content-type: text/plain; charset=ISO-8859-1  
Content-transfer-encoding: 7BIT

I, too, would like to get active on bands other than 40 meters. However, I am kinda short on technical theory that's required to convert a rig over to another band. I'm sort of partial to 17m, great propagation without all the contesters on the weekends :-).

Anyway, I think it would be great if someone who has done conversions of the more popular rigs could post them on QRP-L. I'm relatively new to this list so maybe someone has already done it. If so, I appologize for the bandwidth.

I'm just getting back into QRP after about a 20 year hiatus. I have ordered one of the SMK-1 kits for 40m. Hopefully, there will be some band conversion mods available for that one someday. Currently, all I have in my shack is a "Little Joe" 20m transmitter that I built and has never worked from day one, and a 80-40-20m receiver from the "Universal" series (many years ago) that does work very well. So, I'm anxious to get back at it and would like some info. on converting to other bands. Just my \$0.02 worth.

Doug VA7DD

Doug Davies  
Bell-Irving Zone Forester  
Kalum Forest District  
Terrace, B.C.  
250)-638-5125  
(250)-638-5176 Fax  
MailTo:Doug.Davies@gems3.gov.bc.ca

-----  
Date: Thu, 16 Mar 2000 08:49:35 -0800  
From: Ed Loranger <we6w@qsl.net>  
To: Gody Siason <Gody99@aol.com>, Low Power Amateru Radio Discussion <qrp-1@lehigh.edu>  
Subject: [65825] 20 Meter test of DSW-20  
Message-ID: <38D1109F.8DACE68F@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Gang, thanks for all that stoped by last night  
on 20 meters.

The DSW-20 worked well. I've learned that  
the final turn-on initialization is to move the  
tuning knob a click or switch RIT on and  
off. Then you can calibrate or QSO knowing  
the rig is transmitting on the RX freq. From  
the email I've received this is common knowledge.

OK, here's the list and I thank all for stopping by.  
Setup here was: DSW-20, Vibroplex Bug, ZM-2,  
twisted teflon feedline to 40 meter folded dipole  
up 30 feet. (2 watts output from the rig.)

0130Z-0140Z K5ZTY 579/449 Bill WI (QRP)  
0146Z-0151Z KH6B 449/449 Dean, HI (QRP)  
0153Z-0201Z VA7DD 559/579 Doug, BC (1W)  
0201Z-0205Z N4UY 229/229 Jake, NC QSB,QRP  
0206Z-0211Z K0EVZ 599/539 Doc, MN 5W  
0212Z-0216Z WB4TG 559/449 Mark, TN (1W to SLV)  
0217Z-0220Z K1QM 229/229 Joel, MA (QRP)  
And QSO #2 for a sneaky, QRPp Doc!  
0224Z-0226Z K0EVZ 219/569 Doc, MN (900 mW)  
0227Z-0235Z N6ZI 589/569 Al, CA (20 W)

Most were typical qso's. Tried but just couldn't  
quite get all of Jake's information, QSB was in force.

Thanks again for helping verify not just the little radio  
but my harmonically operated 40 M folded dipole too.

72! -ED we6w

--

72/Ed we6w; A-1 OP; SOC#63; QRPL#1068  
<http://www.qsl.net/we6w> Santa Rosa, CA  
Addicted to peanut butter and honey sandwiches!

-----  
Date: Thu, 16 Mar 2000 11:54:19 -0500



From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>  
To: NJ QRP Club <njqrp@njqrp.org>, NoVa QRP group <NoVaQRP@topica.com>, QRP-L  
<qrp-l@lehigh.edu>  
Subject: [65826] LX8DL on 28.024.7 at 1650z 3/16/00  
Message-ID: <38D111BA.9F5C63E2@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Andy from Luxembourg is on 28.024.7. Worked him with 4w to the attic  
dipole

Jake -- N4UY  
Vienna, VA

-----  
Date: Thu, 16 Mar 2000 10:52:10 -0600  
From: "Jay Bromley" <w5jay@alltel.net>  
To: <qrp-l@lehigh.EDU>  
Cc: "Bob Kellogg" <ae4ic@nr.infi.net>, "John Burnley" <JBurnley@ifmc.org>, "Jim  
Hale" <kj5tf@madisoncounty.net>  
Subject: [65827] "Triple Crown Milliwatt Contest--Second Leg" Rules:  
Message-ID: <00fc01bf8f67\$fccd9c40\$519b66a6@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang,

Get ready for the second leg of the "Triple Crown Milliwatt  
Contest". Notice the rules look very familiar, they are the  
same as Bob Kellogg laid them out. Bob did such a great  
job I didn't want to change a thing or give an unfair advantage  
to those participating in the second leg. Besides your  
already use to them, thanks Bob!

We are going to move the time out four hours  
because of the time change in April. Hopefully this will  
even out things for all. Input and suggestions on this are  
always welcome.

The first time is always hard to find a groove, so bare  
with us. Rules are posted below. Good luck and hope  
to work all of you this April!  
73 de w5jay..

.  
CONTEST: Milliwatt CW contest Second Leg of "Triple Crown".

DATES AND TIMES: Friday April 15th, 2000. 2200Z to 0200 Z,  
Saturday, April 16th, 0000Z to 0400Z and, Sunday, April 17, 0200Z  
to 0600Z,

Contestants may submit a log for only 2 days of the 3 day contest.

EXCHANGE: Exchange RST, SPC, First Name, PWR.

Suggest using W as decimal point when reporting power. I.e., 1W5 =  
1.5W, W5 = 500mW, W25 = 250mW, W02 = 20mW.

SCORING: QSO points are awarded to contestants according to their power  
output. Power may be changed from QSO to QSO and must be noted in the  
log.

|                 |     |        |
|-----------------|-----|--------|
| 1001mW and over | 1   | Point  |
| 501mW to 1000mW | 2   | Points |
| 251mW to 500mW  | 4   | Points |
| 101mW to 250mW  | 8   | Points |
| 51mW to 100mW   | 16  | Points |
| 26mW to 50mW    | 32  | Points |
| 11mW to 25mW    | 64  | Points |
| 1mW to 10mW     | 128 | Points |
| <1mW            | 500 | Points |

NOTE: No schedules or prearranged contacts between stations are  
permitted.

BONUS MULTIPLIER: Number of identical first letters of first names  
worked. I.e., worked Jim, John, Jennie, Joe, Jack, = 5 multiplier.  
Note: one name only counts once - if you work 10 Jacks, that's still  
just one multiplier.

CLUB BONUS: Anyone who works a club station which is running the  
specified power levels listed below collects bonus points as follows:  
(Clubs will not raise or lower power to accommodate a single QSO.)

|       |       |        |
|-------|-------|--------|
| 900mW | 1,000 | points |
| 500mW | 2,000 | points |
| 250mW | 3,000 | points |
| 100mW | 4,000 | points |
| 50mW  | 5,000 | points |

Calculate score for each days activity:

(QSO Points) X (Total SPC Multipliers all bands) X (Bonus Multiplier) +

(Club Bonus total) = Daily Score.  
Add the two best daily scores to find Total Score.

PRIZES: TBA

LOGS: Submit logs before June 1st, 2000. Winners will be announced on  
QRP-L and KLQRP. Send logs to:

Ed Rowan  
1450 North Main Street  
Greenwood, Ar. 72936

email entries to: ac5dc@amsat.org

-----  
Date: Thu, 16 Mar 2000 12:09:17 -0500  
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>  
To: NoVa QRP group <NoVaQRP@topica.com>, NJ QRP Club <njqrp@njqrp.org>, QRP-L  
<qrp-l@lehigh.edu>  
Subject: [65828] HB0/DL1RWB on 28.003.7 at 1700z 3/16/00  
Message-ID: <38D1153D.26A6C460@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Liechtenstein calling CQ on 28.003.7. 4 watts and the attic dipole got  
a 579!!

Jake -- N4UY  
Vienna, VA

-----  
Date: Thu, 16 Mar 2000 12:12:37 -0500  
From: "Mark Erbaugh" <mark@microenh.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [65829] Re: Mailing list question  
Message-ID: <002101bf8f6a\$d564c680\$0e00000a@p300>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> Anyway, assuming ver. 5. Go to Tools/Message Rules/Mail. I'm sure you know  
> that though. Instead of relying on content within the Subject box, go to  
> the "Where the To line contains people" choice. In that line, enter "Low  
> Power Amateur Radio Discussion". Then simply tell it where to put those  
> messages.  
>  
> Works for me....

I found that 'Low Power Amateur Radio Discussion' works most of the time, but I have received at least one email from the list that did not have that in the TO: line. From another suggestion, I found that "qrp-l@Lehigh.EDU" in the TO: line seems to work more reliably. In OE, I don't see that info in the TO: line but it is there when I go to Properties (under the File menu) and look on the Details tab.

73,  
Mark

-----  
Date: Thu, 16 Mar 2000 10:42:36 -0500  
From: w4bws@juno.com  
To: w1rfi@arrl.org  
Cc: qrp-l@Lehigh.EDU  
Subject: [65830] Re: [FOX] W1FB- Finally a pelt for W4BWS  
Message-ID: <20000316.122108.-986335.10.W4BWS@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Ed, many thanks for the tt2 pelt as the fox. It was rough here in Florida with lots of "junk" on the frequency and your signal fading. I used the HW8 and EDZ antenna at 20 feet to the top of the SD20 pole and to a tree limb. Called about 10 times but you finally pulled me through. You are my first fox as I usually am at work or can't hear through the crud. Not sure why I always hear DOC (and other W0's) stronger than most others-must be that big loop of his. Many thanks for your efforts to keep QRp truly interesting.  
Don W4BWS

-----  
Date: Thu, 16 Mar 2000 10:13:23 -0700

From: "Rod, N0RC" <n0rc@qsl.net>  
To: <Doug.Davies@gems3.gov.bc.ca>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [65831] Re: Other Bands  
Message-ID: <001f01bf8f6d\$aaa65d20\$c8101004@compaq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Doug:

Considering the work involved to convert a rig, I suggest building a new one, for 17m. QRP-ARCI is running a group buy of the new MFJ Cub series, and it's available for 17m! Briefly, the CUB is part surface mount, part discrete, the surface mount parts are already installed. All the details about the CUB, and the group buy are on the QRP-ARCI site: <http://www.qrparci.com>.

When you get on 17m watch for me, I have a 17m CUB going on the air very soon. ;-)

---

72/3 Rod, N0RC -- Fort Collins, CO

----- Original Message -----

From: Davies, Doug A FOR:EX <Doug.Davies@gems3.gov.bc.ca>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Thursday, March 16, 2000 9:44 AM  
Subject: Other Bands

> I, too, would like to get active on bands other than 40 meters.  
However, I  
> am kinda short on technical theory that's required to convert a rig  
over to  
> another band. I'm sort of partial to 17m, great propagation without  
all the

-----

Date: Fri, 17 Mar 2000 10:47:49 -0700  
From: Skip <longbeard@cybernet1.com>  
To: sslyon@worldnet.att.net, qrp-1@Lehigh.edu  
Subject: [65832] Re: ATLANTICON: The Kite Thing (long-ish)  
Message-ID: <3.0.6.32.20000317104749.007ada40@mail.cybernet1.com>

Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

>Had and "interesting" evening tonite (Wed) with my Double-Sled. Just  
>finished building last nite and wanted to test it before=20

Seab,

A Man after my own heart. What an effort! Have had a few of those of my  
own, out here in the mountains.

I have used my 9 foot Delta for lifting antennas a few times, the days  
start out nice and stable, then all hell breaks loose! And it is that time  
of year again.

So tell me, do you have the plans for your double sled, sounds like a nice  
addition to my collection.

Maybe we could plan a QRP/Kite event sometime?

Good luck at Atlanticon and will listen for you.

kip, K=D8YWD  
Stevensville, Montana DN26  
SOC #38 QRP-C #146, QRP-L #2003, CQC #616, Zombie #641 =20  
=20  
=20

-----

Date: Thu, 16 Mar 2000 10:53:26 -0700  
From: "Rod, N0RC" <n0rc@qsl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [65833] Re: TT30 output PI filter  
Message-ID: <003c01bf8f70\$9e608ce0\$c8101004@compaq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks to the good graces of Bruce I now have some values that should  
work.

C1 = C3 = 230pf  
C2 = 470pf  
L1 = L2 = .72uH [13-14 turns on T37-2, calculated turns = 13.4]

BONUS BONUS BONUS

Last night I was reading "W1FB's QRP Notebook", Doug DeMaw; ARRL; 2nd ed, 3rd printing, 1999. On page 170 is a table of values for 5 element and 7 element output filters, for most bands! For 30M the table values are:

C1 = C3 = 220pF  
C2 = 470pF  
L1 = L2 = .98uH

So, just for kicks I'm going to build the filter both ways and try to measure the difference with my modest test gear.

WHAT'S NEXT ?

Build it!

A TT2 schematic is available on the NJ-QRP club's website:  
<http://www.njqrp.org/tuna/index.html> (Many thanks to all involved in that project, to help out NJ-QRP club consider buying there TT2 kit, you can't go wrong for \$12).

For 30M use on of the filter set values above, and add a 10Mhz rock.

For other bands consult the reference above and change the crystal.

I'm going to do mine Manhattan style, easy, fast and effective. I hope to have it on the air in a week or two.

Thanks to all who helped the design, offered parts, and plenty of good advise. I hope these series of postings were useful to some.

I do a wrap up post in a week or two when I have the rig operational.

---

72/3 Rod, N0RC -- Fort Collins, CO

----- Original Message -----

From: Rod, N0RC <n0rc@qsl.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Wednesday, March 15, 2000 1:36 PM

Subject: Re: TT30 output PI filter

> Back to the drawing board.

```

>
> Got mail from Bruce, W6TOY. He modeled the circuit in ARRL's Radio
> Designer. The filter works great--AT 7.1MHz--!!!
>
>
> I'll try again this weekend when I have more time.
>
> ---
> 72/3 Rod, N0RC -- Fort Collins, CO
>
> ----- Original Message -----
> From: Rod, N0RC <n0rc@qsl.net>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Sent: Wednesday, March 15, 2000 9:29 AM
> Subject: TT30 output PI filter
>
>
> > Folks:
> >
> > I've calculated values for the 2 stage PI network to couple the
> > output transistor to the antenna.
> >
> > to C12 <---+-- L1 ---+-- L2 ---+--<
> >           |           |           |
> >
> >           C1           C2           C3   -> to 50 ohm ant
> >
> >           |           |           |
> >         -+-----+-----+---<
> >
> >               |
> >             +-+--+
> >             / / /
> >
> >
> > L1 = L2 = 0.9 microH (0.9)
> >
> > 15 turns #28 wire on a T37-6 [red] core
> >
> > C1 = C3 = 330pF (263-300pf)
> >
> > C2 = 560pF (514-560pf)
> >
>

```

-----

Date: Thu, 16 Mar 2000 11:55:47 -0600 (CST)



From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>  
Subject: [65834] FOXHUNT:Team Scores  
Message-ID: <Pine.LNX.3.95.1000316114816.22175A-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

\*\*\*\*\*  
..DON'T FORGET FOXII, SEND YOUR "FINAL LOG" TO ME AS WELL  
AS TO PAUL...that will be a big help...thank you all....

\*\*\*\*\*

Fox Hunt 37 - KQ5U -

\*\*\*\*\*

20th. MAINE BENGAL BEARS:Total=14      BLUE J's:Total=15

-----

Jim - N5IB  
Butch - N5SMQ  
Bill - NT1R  
Joel - KE1LA

-----

John - VE3JC  
Jim - VE6JWA  
Jeff - VA3JFF  
Jon - TF3JA

EMPIRE HOUNDS:Total=20

-----

Dick - K2JQ  
Kevin - N2TO  
Mark - N2JTW  
Nick - KF2PH

HOUSTON HOUNDS:Total=107

-----

Bill - K5ZTY <-  
Bill - W5SB <-  
Terry - KQ5U  
Dan - KK5LD <-

MANGY MUSHERS:Total=84

-----

Pete - NV4V <-  
Paul - VA7NT  
Bruce - N7RR  
Ed - K1VP

NIGHT OWLS:Total=57

-----

Ed - WE6W <-  
Rich - N5JI <-  
Dan - N7CQR  
Ben - NW7DX <-

OKLAHOMA TORNADOS:Total=71

-----

Cliff - N5UW <-  
Royce - KE5TC  
Don - K5AAR <-  
Gody - AC6UV

RAIDERS OF THE LOST RF:Total=62

-----

SCATTER SHOT GUNNERS:Total=83

-----

Fred - VE3FAL  
Earl - VE6EWM <-  
Mary - NA6E  
Bruce - VE5RC

Mike - K1MG <-  
Jack - W5TFB  
Stan - N6XU  
Pat - K0PC <-

SFBA FOGHORNS:Total=24

-----  
Bob - N6WG  
Conrad - NN6CW  
Andreas - N6NU  
Allan - K7GT

SWAMP RATS:Total=112"Sweep"

-----  
Tom - N1TP <-  
Mac - AF4PS <-  
Fred - W2XN <-  
Paul - AJ4Y <-

SWORDS:Total=60

-----  
Rick - WB6JBM  
Andy - KC8KFI  
Doc - K0EVZ <-  
Dan - N8IE <-

TEAM CRAMP.COM:Total=52

-----  
OJ - K10J <-  
George - K5VUU <-  
Mike - K5NZ  
Eric - NM5M <-

TEAM ScQRPion:Total=99

-----  
Floyd - NQ7X <-  
Gary - AB7MY  
Conard - WS4S <-  
Bob - NK7M <-

TESLA'S TERRORS:Total=132

-----  
Wayne - N0EA <-  
Dan - N0DT <-  
Tim - N0EHW  
Joe - W0JOE <-

TEXAS TARANTULAS:Total=97"Sweep"

-----  
Bill - K5LN <-  
Dave - N5IW <-  
Bob - AF5Z <-  
Tom - N5TW <-

UNDERDOGS:Total=107

-----  
Roy - AB7CE <-  
Dan - N4ROA <-  
Brian - KB9BVN  
Ron - KI0II <-

WESTERN WRANGLERS:Total=49

-----  
Randy - K7TQ  
Chuck - K7Q0  
Steve - WW7Y  
Ron - KU7Y

NORTEX Irregulars:Total=15

-----  
Doc - W5TB  
Joe - KK5NA  
Don - N5YAK  
Barb - KK5QA

...72 - Bruce(VE5RC+VE5QRP)

-----

Date: Thu, 16 Mar 2000 08:03:53 -1000

From: "Art Neilson, WH7N" <art@hawaii.rr.com>  
To: qrp-1@lehigh.edu  
Subject: [65835] help!  
Message-ID: <3.0.6.32.20000316080353.00906cb0@pop-server.hawaii.rr.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

how do I change my email address on qrp-1 ???  
i'm changing over to adsl and my email address  
is changing...

--

```
  /  )    _/_  It is a capital mistake to theorise before one has data.
 /--/  _ _  /   Insensibly one begins to twist facts to suit theories,
 /  (_/  (_<__  Instead of theories to suit facts.
                        -- Sherlock Holmes, "A Scandal in Bohemia"
```

Arthur W. Neilson III, WH7N  
Bank of Hawaii Tech Support  
art@hawaii.rr.com, aneilson@boh.com, wh7n@arrl.net

-----  
Date: Thu, 16 Mar 2000 10:05:50 -0800 (PST)  
From: Curt Milton <wb8yyy@yahoo.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [65836] Re: Favorite Band, 30 Meters  
Message-ID: <20000316180550.5595.qmail@web2006.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

30 meters is great! I work this with a barefoot 38S  
at less than a half watt, and at 100w - both are  
enjoyable! Since there are no kilowatts and few  
beams, everyone can be reasonably competitive. my  
antenna is an off-center fed dipole at approx. 30 feet  
high (i wish i had taller trees!) and this works  
pretty good. It's not so crowded and even the QRM  
from non-ham users of the band is not a big deal.  
During the sun-spot minima I did lots of DXing on this  
band! c u there

Curt WB8YYY

--- Mike Duke <k5xu@concentric.net> wrote:  
> It gets my vote too.  
>  
> My OHR-100 is the perfect rig for an apartment.

> I'll be active on 30 again  
> as soon as they finish re-modeling the exterior of  
> my building. Then, I can  
> re-hang my long wire.  
>  
> Mike Duke, K5XU, president,  
> Mississippi Council of the Blind  
>  
>  
>

---

Do You Yahoo!?  
Talk to your friends online with Yahoo! Messenger.  
<http://im.yahoo.com>

---

Date: Thu, 16 Mar 2000 13:45:17 -0500  
From: hamjoel@juno.com  
To: qrp-1@lehigh.edu  
Subject: [65837] Why Murphy didn't come:  
Message-ID: <20000316.134520.-177403.0.hamjoel@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

high y'all

well, neva could get the vertical yagi to outdo the horizontal loop....  
sooo I moved the yagi horizontal... and remembered why I didn't do  
multiple element wire antennas any more.... now wonder murphy stayed  
away.... he had better sense!!!!

I've got the yagi in a horizontal configuration now... however I haven't  
figured out how to square the ant.... I don't have the dowels or the  
trees it would take...

I see where I could leave off the reflector and just use directors and  
things might straighten up..... and I'm wondering about my feedline  
now.... nothing like bad feed line to ruin ur day.....

we're supposed to have some super bad rain showers later today... so I  
may end up without a working antenna tonite...

about three quarters through this project today I asked the good lord  
what I had ever done to deserve this kind of problem... man, was that the  
wrong question to ask!!!!

Joel KE1LA  
In Maine  
testing

---

YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!  
Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 16 Mar 2000 12:50:26 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>  
Subject: [65838] FOXHUNT:Team Scores  
Message-ID: <Pine.LNX.3.95.1000316124449.26768A-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

\*\*\*\*\*  
..DON'T FORGET FOXII, SEND YOUR "FINAL LOG" TO ME AS WELL  
AS TO PAUL...that will be a big help...thank you all....

\*\*\*\*\*  
Fox Hunt 38 - W1FB -

\*\*\*\*\*  
20th. MAINE BENGAL BEARS:Total=14      BLUE J's:Total=16  
-----  
Jim - N5IB                                  John - VE3JC <-  
Butch - N5SMQ                               Jim - VE6JWA  
Bill - NT1R                                  Jeff - VA3JFF  
Joel - KE1LA                                Jon - TF3JA

EMPIRE HOUNDS:Total=22  
-----  
Dick - K2JQ <-  
Kevin - N2T0  
Mark - N2JTW  
Nick - KF2PH <-

HOUSTON HOUNDS:Total=107  
-----  
Bill - K5ZTY  
Bill - W5SB  
Terry - KQ5U  
Dan - KK5LD

MANGY MUSHERS:Total=86  
-----  
Pete - NV4V <-  
Paul - VA7NT  
Bruce - N7RR  
Ed - K1VP <-

NIGHT OWLS:Total=57  
-----

OKLAHOMA TORNADOS:Total=72  
-----

Ed - WE6W  
Rich - N5JI  
Dan - N7CQR  
Ben - NW7DX

Cliff - N5UW <-  
Royce - KE5TC  
Don - K5AAR  
Gody - AC6UV

RAIDERS OF THE LOST RF:Total=63

-----  
Fred - VE3FAL  
Earl - VE6EWM  
Mary - NA6E  
Bruce - VE5RC <-

SCATTER SHOT GUNNERS:Total=84

-----  
Mike - K1MG  
Jack - W5TFB  
Stan - N6XU  
Pat - K0PC <-

SFBA FOGHORNS:Total=24

-----  
Bob - N6WG  
Conrad - NN6CW  
Andreas - N6NU  
Allan - K7GT

SWAMP RATS:Total=116"Sweep"

-----  
Tom - N1TP <-  
Mac - AF4PS <-  
Fred - W2XN <-  
Paul - AJ4Y <-

SWORDS:Total=61

-----  
Rick - WB6JBM  
Andy - KC8KFI  
Doc - K0EVZ <-  
Dan - N8IE

TEAM CRAMP.COM:Total=52

-----  
OJ - K10J  
George - K5VUU  
Mike - K5NZ  
Eric - NM5M

TEAM ScQRPion:Total=100

-----  
Floyd - NQ7X  
Gary - AB7MY  
Conard - WS4S <-  
Bob - NK7M

TESLA'S TERRORS:Total=135

-----  
Wayne - N0EA <-  
Dan - N0DT <-  
Tim - N0EHW  
Joe - W0JOE <-

TEXAS TARANTULAS:Total=98

-----  
Bill - K5LN  
Dave - N5IW  
Bob - AF5Z  
Tom - N5TW <-

UNDERDOGS:Total=109

-----  
Roy - AB7CE  
Dan - N4ROA <-  
Brian - KB9BVN  
Ron - KI0II <-

WESTERN WRANGLERS:Total=49

-----  
Randy - K7TQ  
Chuck - K7QO  
Steve - WW7Y  
Ron - KU7Y

NORTEX Irregulars:Total=15

-----  
Doc - W5TB  
Joe - KK5NA  
Don - N5YAK  
Barb - KK5QA

...72 - Bruce (VE5RC+VE5QRP)



-----  
Date: Thu, 16 Mar 2000 12:02:52 -0700  
From: "Rod, N0RC" <n0rc@qsl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [65839] Re: Other Bands  
Message-ID: <00b001bf8f7a\$3f8f4800\$c8101004@compaq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

OOPS, SRI folks the correct URL for QRP-ARCI is:  
<http://www.qrparci.org>

---  
72/3 Rod, N0RC -- Fort Collins, CO

----- Original Message -----  
From: Rod, N0RC <n0rc@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Thursday, March 16, 2000 10:13 AM  
Subject: Re: Other Bands

> site: <http://www.qrparci.com>.  
                    ^^^ s/b org

-----  
Date: Thu, 16 Mar 2000 14:37:16 -0500  
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>  
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.edu>  
Subject: [65840] QRP operating articles?  
Message-ID: <125490A005E3D3118C9C00805FC743CC08D458@mail.arrl.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"

Hi, Guys and Gals,

Well, we are about to do it -- the ARRL Tech Info Service Coordinator, Al, AA1DO, is working fast and furious on getting a number of QRP pages up on the ARRL Tech Info Service web pages at <http://www.arrl.org/tis/>. We are going to do the following:

QRP - General and Operating. Articles that contain info about QRP, orgs, etc., targeted at the ham who is NOT already a QRPer. Linkages to QRP ARCI and to various regional and "specialty" QRP organizations.

QRP - Projects. Lots of ARRL articles and the like, with linkage to other sites with good article reprints.

QRP-Kits and Commercial Radios. ARRL articles and Reviews of specific interest to QRPers, plus linkage to other reviews and manufacturer pages

QRP - Heathkit - articles and linkage related to the HW-7, HW-8 and HW-9.

We can probably select the ARRL articles easily, but I wanted some advice in one particular area. ARRL really hasn't done the definitive QRP operating article, designed to tell the non-QRPer all about QRP. Anyone recommend either a FAQ site or some good articles from the Quarterly or other, that we can scan and get up on the site (with permission, of course). Once the pages are up and running, I expect we will have lots of feedback from the QRP-L folks. :-)

73 from ARRL HQ,  
Ed Hare, W1RFI  
ARRL Laboratory Supervisor  
225 Main St.  
Newington, CT 06111  
860-594-0318  
Internet: [w1rfi@arrl.org](mailto:w1rfi@arrl.org)  
ARRL Web: <http://www.arrl.org/>.  
ARRL Technical Information Service: <http://www.arrl.org/tis>.

-----  
Date: Thu, 16 Mar 2000 14:50:48 -0500  
From: "Hare, Ed, W1RFI" <[w1rfi@arrl.org](mailto:w1rfi@arrl.org)>  
To: Low Power Amateur Radio Discussion <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Cc: TIS <[tis@arrl.org](mailto:tis@arrl.org)>  
Subject: [65841] RE: QRP operating articles?  
Message-ID: <125490A005E3D3118C9C00805FC743CC08D45A@mail.arrl.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

So, Al is not a QRPer, but he has some good ideas, so I keep him around. :-)

He wants to add some nice QRP "personal" pages to the QRP-General page, so those interested in QRP can see how much fun people are having.

Ideas and linkages etc can be sent to me or to [tis@arrl.org](mailto:tis@arrl.org).

73 from ARRL HQ,  
Ed Hare, W1RFI  
ARRL Laboratory Supervisor  
225 Main St.  
Newington, CT 06111  
860-594-0318  
Internet: [w1rfi@arrl.org](mailto:w1rfi@arrl.org)  
ARRL Web: <http://www.arrl.org/>.  
ARRL Technical Information Service: <http://www.arrl.org/tis>.

-----Original Message-----

From: Hare, Ed, W1RFI [<mailto:w1rfi@arrl.org>]  
Sent: Thursday, March 16, 2000 2:37 PM  
To: Low Power Amateur Radio Discussion  
Subject: QRP operating articles?

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We can probably select the ARRL articles easily, but I wanted some advice in one particular area. ARRL really hasn't done the definitive QRP operating article, designed to tell the non-QRPer all about QRP. Anyone recommend either a FAQ site or some good articles from the Quarterly or other, that we can scan and get up on the site (with permission, of course). Once the pages are up and running, I expect we will have lots of feedback from the QRP-L folks. :-)

73 from ARRL HQ,  
Ed Hare, W1RFI  
ARRL Laboratory Supervisor  
225 Main St.  
Newington, CT 06111  
860-594-0318  
Internet: w1rfi@arrl.org  
ARRL Web: <http://www.arrl.org/>.  
ARRL Technical Information Service: <http://www.arrl.org/tis>.

-----  
Date: Thu, 16 Mar 2000 11:57:44 PST  
From: "Doug Hendricks" <ki6ds@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [65842] Kits: Best Bang for the buck under \$100  
Message-ID: <20000316195744.76737.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Guys, several posts on here recently about what rig to build for a first timer in QRP. Not necessarily a new ham here, but an experienced ham who wants to try QRP. My recommendation to these guys is still the DSW series by Dave Benson. This rig has a DDS VFO (NO DRIFT!!), built in Keyer, and Dave Benson's version of an AFA (Audio Frequency Announcer: it sends your VFO frequency in morse code). The best thing about this rig is that it is only \$95!! Plus, you get to build this rig. The only premounted parts are the fine pitch dds chip and a couple of associated parts. You get to build the rest of the kit. Versions are available on 80, 40, 30 & 20 meters. I have built 2 of these kits, and I highly recommend them.

By the way, anyone know of a mod to the DSW?? As far as I know, there are none!!! Think about that one folks. What a tribute to the engineering job of Dave Benson, NN1G. Every other rig that I can think of that has come out in the past 4 or 5 years has had several mods done to it, but that has not been the case for the DSW from Small Wonder Labs. That baby works fantastic just like it comes out of the box. If I were building a kit today for a single band and I did not want to spend more than \$100, I would definitely go with the DSW series. Compare the features of the other kits out there to it, and you will see why. You just can't beat the DDS VFO, built in Keyer, and AFA for the price. And it is a fun rig to build, and very easy to get going. Full details are on the SWL web page at:

<http://www.smallwonderlabs.com/>

Plus, Dave Benson is a great guy, gives outstanding service, and he is a continuing contributor to QRP and this list. Those of you on the east coast

can see Dave at Atlanticon, which is coming up on March 25th near Philadelphia. Atlanticon is a must attend event. The first one in the yearly series of QRP Forums in the US. Sponsored by the NJ QRP Club, it has a world class lineup of speakers and QRP Events that will knock your socks off. Full details are on the NJ QRP Club Web page, <http://www.njqrp.org/atlanticon/index.html> check it out for all the information that you need.

Wow, Atlanticon for the East cost the 24th of March, and two weeks later, Arkiecon in Fort Smith. Man, it doesn't get any better than this. We're gonna have some fun!!

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: Thu, 16 Mar 2000 14:08:33 -0600  
From: "George T. Baker" <w5yr@att.net>  
To: w1rfi@arrl.org  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [65843] Re: QRP operating articles?  
Message-ID: <38D13F41.DE60CEF7@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ed, just how could Al, or any other ham, stay around you very long and NOT become a QRPer? ;^)

72/73, George  
Fairview, TX 30 mi NE Dallas in Collin county  
Amateur Radio W5YR, in the 54th year and it just keeps getting better!  
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556

"Hare, Ed, W1RFI" wrote:

>

> So, Al is not a QRPer, but he has some good ideas, so I keep him around. :-)

-----  
Date: Thu, 16 Mar 2000 15:09:48 -0500  
From: "Pete (N9SSA)" <n9ssa@arrl.net>  
To: qrp-1@Lehigh.EDU  
Subject: [65844] HB: 11M groundplane for Ham Bands?  
Message-ID: <4.3.1.2.20000316150405.00afb4d0@172.16.1.100>  
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Howdy -

I have the next antenna for the farm in mind. An old 11M ground plane vertical... I've had a couple of guys say that this will load through a tuner just fine, just don't go QRO! I'm really just looking for a nice omnidirectional receive to support my tri-band beam.

Anyone have experience using an 11M ground plane on Ham bands?

I'm not sure if it's 1/4 (18') or 5/8 (22').

Can/should it be cut to another length?

Tophat loaded?

Ground mounted with good ground radials?

Roof mounted, and use the stubby ground plane elements?

I just can't seem to find any good info on the 'net, so I thought I'd ask my QRP-L buddies.

73

N9SSA - Pete Hoffswell

Holland, MI - EN62wt - 42.79N 86.15W

n9ssa@arrl.net <http://www.qsl.net/n9ssa>

QRP-L #2109

-----  
Date: Thu, 16 Mar 2000 15:18:20 -0500

From: "Ken Simpson" <W8EK@fdt.net>

To: "QRP List" <qrp-l@lehigh.edu>

Subject: [65845] Electronics Textbooks FS

Message-ID: <01c401bf8f84\$dfd07960\$590bfea9@kensimps>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Many times, some of you mention that you are looking for books on various subjects relating to your QRP activity. Some of the books that follow may be what you are looking for. There are all a bit more technical than the average ham book, and are used in many colleges as text books in an Associate Degree (Technician) level program.

Electronic Principles by Malvino - 6th edition - 1999 - \$ 28  
Very commonly used intro text. Current edition, with current information.

Electric Circuit Fundamentals and Electronics Fundamentals  
3rd edition by Floyd - 1995 - \$ 28  
Another commonly used intro text.

Electronic Devices and Circuits by Hassul and Zimmerman -  
Conventional Flow version - includes student workbook  
I think this is a 1998 copyright, but it is still in shrink-wrap,  
and I do not want to unwrap it to find out for sure. \$ 28

Understanding Data Communications by Friend  
The title says it all! Slight use. \$ 14

Understanding Communications Systems by Cannon  
This one covers all sorts of communication systems -- not  
just the data communications like the one above. \$ 14

Modern Electronic Communications by Miller  
Communications techniques, modulation, TV, antennas, wave propagation,  
waveguides, fiber optics, noise,  
2nd edition - 1983 - used \$ 12  
3rd edition - 1988 - new \$ 15  
4th edition - 1993 - new \$20

Digital Electronics by Uffenbeck  
Covers from number systems to shift registers to Programmable  
devices to interfacing \$ 25

Electricity - Principles and Applications by Fowler  
Part of McGraw Hill's "Basic Skills in Electricity and Electronics"  
group of texts. Mainly theory, in easy to understand  
explanations. \$ 18

Prices do not include shipping from Florida. All books are  
new, unless stated otherwise.

Thanks.

73,

Ken, W8EK

Ken Simpson  
E-Mail to W8EK@fdt.net or W8EK@juno.com  
Voice Phone (352) 732-8400

-----  
Date: Thu, 16 Mar 2000 15:36:34 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <n9ssa@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [65846] Re: 11M groundplane for Ham Bands?  
Message-ID: <007d01bf8f87\$72e60f60\$2101a8c0@insydesw.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Well, I've used an old Radio Shack 1/2wave CB ground plane with an HTX-100 with EXCELLENT results. When the HTX-100 came out, I threw it in the van for a trip to PA. There was an old CB antenna on the roof, so I plugged in, and it didn't move the SWR meter enough to be a concern up through 28.5. Sorry, but I didn't even check it above that.

Remember the guy from the Caribbean that was supposed to be a real PITA? I think QST had a little blurb on him a couple of years ago when he got electrocuted working on his amp or something. Anyway, he was one of my first contacts SSB on that antenna. I was QRP with the power button out, and he came right back to me. We chatted for about 10 minutes about the rig, then he went on to his normal contacts. But he was quite polite to me, and wanted to know about the rig, so I guess it and the antenna were working just fine.

I don't know how far 'down' the antenna would go, never tried. Just remember that all those ground plane antennas with the exception of the 1/4 wave had 'transformers' in the base that are going to limit what you can do with them in the way of tuning out of band. In that respect, I suppose the 1/2 wave will tune wider than the 5/8, and that wider than the .64.

Mike

----- Original Message -----  
From: Pete (N9SSA) <n9ssa@arrl.net>



To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Thursday, March 16, 2000 3:09 PM  
Subject: HB: 11M groundplane for Ham Bands?

> Howdy -  
>  
> I have the next antenna for the farm in mind. An old 11M ground plane  
> vertical.... I've had a couple of guys say that this will load through  
a  
> tuner just fine, just don't go QRO! I'm really just looking for a  
nice  
> omnidirectional receive to support my tri-band beam.  
>  
> Anyone have experience using an 11M ground plane on Ham bands?  
>  
> I'm not sure if it's 1/4 (18') or 5/8 (22').  
>  
> Can/should it be cut to another length?  
> Tophat loaded?  
> Ground mounted with good ground radials?  
> Roof mounted, and use the stubby ground plane elements?  
>  
> I just can't seem to find any good info on the 'net, so I thought I'd  
ask  
> my QRP-L buddies.  
>  
> 73  
>  
> N9SSA - Pete Hoffswell  
> Holland, MI - EN62wt - 42.79N 86.15W  
> n9ssa@arrl.net <http://www.qsl.net/n9ssa>  
> QRP-L #2109  
>  
>

-----  
Date: Thu, 16 Mar 2000 12:36:16 -0800  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Cc: Barney W7IHN <cbrlwaldrop@pullman.com>, Ben NW7DX <BenNW7DX@aol.com>, bill  
stewart2 KF6RMK <lite65@earthlink.net>, Dan AD6JY <ad6jy@aol.com>,  
Dave N6RZ <drowley@writeme.com>, Doug K6RPN <ewilson@nccn.net>, Floyd Worth  
W6ZOH <floydzoh@firedragon.com>, Paul AA1LL <paul.e.gili@lmco.com>,  
Subject: [65847] QRQ net speed runs.  
Message-ID: <38D145C0.74AB@qsl.net>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang, many months have transpired since the first QRQ net and I've noticed that there is a certain qrq speed within the grasp of the first-time QRQ'er.

Basically, the comfort speed most run in ragchews appears to be between 6 and 10 WPM below their maximum speed when they are excused from the QRQ net.

I found this to be an interesting revelation.

An added bonus is a more temperate and relaxed CW form when back at their favorite ragchew speed.

This is encouraging for the participants and especially motivating to others in the group who can hear the improvement each week.

So, in order to fit in everyone so they can get a taste of this, and the fact we want to keep the net successful, I'm proposing to speed up the rounds in the early sessions which basically is warm up anyway.

My assumption is that each person practices during the week for at least 1 to 3 hours and then they see what they can do during the qrq net. The other assumption is that they are internally motivated to achieve higher speeds. But any student knows they need to be pushed a bit and I'm trying to figure out something to push the student who might bow out when they perceive their sending is not perfect. By sending less code at the slower speeds, ramping up a little faster to the higher speeds, you will stay around longer to get in the code you wanted to : )

Anyway, here is the proposal:

| Speed WPM | Sentences to send |
|-----------|-------------------|
| 20-29     | #1 only           |
| 30-40     | #1 and #2.        |
| 40+       | All 3 sentences.  |

This should keep everyone warmed up.

This puts a little extra pressure on practicing  
but that's what it's all about. Let's have  
fun seeing how it pays off.

7039 KHz Sunday 7:00 PM Pacific time.  
(0300Z Monday UTC)

--

-72/Ed WE6W; A-1 OP; SOC #63 "AGN?"; QRP-L#1068  
<http://www.qsl.net/we6w> Santa Rosa, CA  
Cake paradox solution? Hide one and take the smaller.

-----

Date: Thu, 16 Mar 2000 16:36:55 -0400  
From: Dave Marling <dbm@klis.com>  
To: qrp-l <qrp-l@Lehigh.EDU>  
Subject: [65848] DJ-195T  
Message-ID: <38D145E7.5245034A@klis.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Has anyone bought an ALINCO DJ-195T 2M handheld and can you give me your  
impressions on the unit?

I've tried the ALINCO reflector with no results.

Please e-mail direct.

Dave  
VE1VQ

-----

Date: Thu, 16 Mar 2000 15:14:43 -0600 (CST)  
From: Jim Glover <psykey@okcforum.org>  
To: qrp-l@lehigh.edu  
Subject: [65849] FOX: W1FB and 40 meters  
Message-ID: <200003162114.PAA03433@okcforum.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I'd like to cast my vote for staying with 40 meters for the  
fox hunts. It has already been pointed out that there are

more QRP transceivers on 40 meters than any other single band. What's more, I'd imagine that if you counted only the people who own only one single-band QRP transceiver, you'd find that an even larger majority of those are on 40 meters. I think that providing an activity which accommodates newcomers and casual QRP'ers is a very wise thing to do.

--Jim WB5UDE

-----

Date: Thu, 16 Mar 2000 15:20:35 -0600  
From: "Jay Bromley" <w5jay@alltel.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [65850] ArkieCon Pre-Registration up to 50  
Message-ID: <003501bf8f8d\$78c80b80\$259b66a6@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit

Gang,

Your being toooo easy on Jerry, WA6OWR, and his laminating machine, grin!

We're up to 50 now ( see below ). Email me or Jerry for corrections.

For more info on this go to: <http://www.fix.net/norcal.html>

To pre-register give Jerry Parker a email at [jparker@fix.net](mailto:jparker@fix.net)

Registration and ArkieCon QRP forum is free and you must be present to win the main prize. The prize is a K2 with Vern Wright's PW-1 antenna.

Check out our guest speakers at <http://www.alltel.net/~kmike/arkiecon2.html>

Please check your gun in at the border!  
Thanks and 73 de w5jay..

Pre-registrations I have so far!

1. Doug Hendricks KI6DS
2. Chuck Adams K7QO
3. Paul Harden NA5N
4. Jim Duffey KK6MC
5. Glen Leinweber VE3DNL
6. David Gauding NF0R
7. Ed Rowan AC5DC
8. Kelsey Mike1 KK5KU

9. Keith Newman K5YCM
10. Royce Rainwater KE5TC
11. Win Dooley WB5KOM
12. Dennis Schaefer W5RZ
13. Jay Bromley W5JAY
14. Don Foster K5KW
15. Don Dorn K5AAR
16. Chuck Foley WB5EZV
17. Levi Taylor WA5WRN
18. John Rader KD5CNL
19. Ed Hern KD6CJD
20. Jimmy Poole KA5WRL
21. John Eddleman KC5JBY
22. Jim Habersetzer N5TKO
23. Nick Kennedy WA5BDU
24. Steve Gibbs K5OY
25. Bill Winscott N6CHA
26. Stan Ross K5VR
27. Steve Lowrey K5ATY
28. Mark Graves K500
29. Mose Howard KB5BV
30. Jerry Hawkins K5KBQ
31. John Lowny KD5GJB
32. Mark Clayton KC5IHY
33. Jerry Richards AB5SE
34. Curt Furtado KI5AK
35. Jim Crooke WB HQV
36. Randy Holden KD5IVV
37. Mark Hogan N50BC
38. Gary Harrison, K0BC
39. Carolyn Harrison, WB00UM
40. Jim Glover WB5UDE
41. George Lee, KR5C
42. Jan Medley N0QT
43. Lucy Dooley
44. Kathy Vines
45. Charles Hall KC5CVG
46. Clifton Sikes N5UW
47. Melissa Schaefer KI5QJ
48. Jim Johns KA0IQT
49. Mark Burton WB4TGB
50. Deborah Graves KB5VWN

-----  
Date: Fri, 17 Mar 2000 08:40:28 +1100  
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [65851] Is this insane or what?  
Message-ID: <38D154CC.E0990310@integritynet.com.au>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

#### News Report

Iridium, the bankrupt satellite phone company whose money finally runs out on Friday, is said to be preparing plans to burn up 66 satellites worth \$7 billion. Its entire global network will be "de-orbited" as the satellites are thrust out of orbit 485 miles up, to vapourise in the atmosphere over the oceans. Incredible. One possible buyer, the US Defence Department, today ruled out any interest in buying Iridium.

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14' S 151o:34' E  
My FREE Newsletter:- <mailto:vk2tip@qsl.net?Subject=Subscribe>  
VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 "duh?"  
URL - <http://www.integritynet.com.au/~purdic/>

-----  
Date: Thu, 16 Mar 2000 16:47:35 EST  
From: Rod Johnson <ka7you@juno.com>  
To: QRP-L@LeHigh.EDU  
Subject: [65852] PSK-31: External sound cards  
Message-ID: <20000316.140325.8255.0.ka7you@juno.com>

I'm thinking I'd like to sample PSK-31. I have a couple of more or less unused 486 laptop computers, and would like to try PSK-31, but none have a sound card. Is there such a thing as an external sound card? Is there a PCMCIA sound card adapter?

An alternative might be to use an old 386SX-25, but I don't know if a 25 MHz processor running Win 3.1 would work with a sound card.

Any comments are appreciated.

7 3,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.  
80M thru 10M with K2 s/n268 and other fine QRP rigs.  
VHF thru 1296 MHz-higher bands pending

ARCI-QRP #7251    QRP-L #844    NWQRP #120    NorCal #2007 SOC#184    and  
others

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 16 Mar 2000 16:54:30 -0500

From: "Franco, Nicholas J" <franco@bnl.gov>

To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>

Subject: [65853] OP: 10,20,30,40, etc

Message-ID: <698DB793D712D31180B600902746422DFB461A@exchange01.bnl.gov>

MIME-Version: 1.0

Content-Type: text/plain;  
          charset="windows-1252"

My two cents!

Foxhunts are a 40 meter specific event as established for qrp-l by Chuck.  
When Chuck wanted to promote building and operating on 30 meters, he created  
the TMPS (Thirty Meter Propagation Study), and we played that event on 30  
meters.

If you guys want to create a 10, 15, 20 or WARC band event - go for it.  
Call it whatever you want and promote it and we'll all play together.  
There's plenty of bandwidth out there and I know there's enough creativity  
on this list to come up with event names and rules.

Foxhunts should be left alone and continue on 40 as planned (IMHO).  
Obviously they work on 40m and everyone is participating. I have entries in  
my log from coast to coast and Canada. I think 40m has stood the test and  
continues to be the best band for this particular event. Operators can  
choose their time and know plenty of hunters will be able to participate.

So put your minds together and come up with other events on the other bands  
and HAVE FUN!

72,

Nick - kf2ph . . .

QRP-L # 13

--  
Nicholas J. Franco        <>< BROOKHAVEN NATIONAL LABORATORY  
Systems Administrator        Collider-Accelerator Department

Tel: (516) 344-5467                    UPTON, NY 11973-5000  
Fax: (516) 344-2833                  Ham Call: KF2PH  
<mailto:nickf@bnl.gov>               <http://www.rhichome.bnl.gov/People/franco>

-----  
Date: Thu, 16 Mar 2000 14:05:50 -0800  
From: "K7FD" <cqdx@teleport.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [65854] Re: Is this insane or what?  
Message-ID: <000f01bf8f93\$d0729d40\$a78c80a7@lincoln.k12.or.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Does this mean we'll be able to work satellite scatter? ;)

73 John K7FD

> News Report  
>  
> Iridium, the bankrupt satellite phone company whose money finally runs  
> out on Friday, is said to be preparing plans to burn up 66 satellites  
> worth \$7 billion. Its entire global network will be "de-orbited" as the  
> satellites are thrust out of orbit 485 miles up, to vapourise in the  
> atmosphere over the oceans. Incredible. One possible buyer, the US  
> Defence Department, today ruled out any interest in buying Iridium.  
>  
> 72/73's  
>  
> Ian Purdie    Budgewoi N.S.W. Australia

-----  
Date: Thu, 16 Mar 2000 13:59:56 -0800  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [65855] Is this insane or what?  
Message-ID: <38D1595C.B65@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I did some work on that project. Told them  
about a crosstalk problem with the Downlink



receivers but would they listen? Nooooooo.

Was taken off the project 2 weeks later.

So be it.

--

-72/Ed WE6W; A-1 OP; SOC #63 "AGN?"; QRP-L#1068

<http://www.qsl.net/we6w> Santa Rosa, CA

Cake paradox solution? Hide one and take the smaller.

-----

Date: Thu, 16 Mar 2000 15:56:07 -0600

From: "Cla KA0GKC" <ka0gkc@arrl.net>

To: <n9ssa@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [65856] Re: 11M groundplane for Ham Bands?

Message-ID: <01a101bf8f93\$143efce0\$0200000a@aplitech>

From: "Pete (N9SSA)" <n9ssa@arrl.net>

| Anyone have experience using an 11M ground plane on Ham bands?

I use a 5/8 CB Vertical here and it workd FB.

| I'm not sure if it's 1/4 (18') or 5/8 (22').

1/4 wave vertical would be about 10'. So it will be easy to tell what you have.

| Can/should it be cut to another length?

Yes, I did. You will need to shorten it some.

| Tophat loaded?

No, this would electrically lenghten the antenna.

| Ground mounted with good ground radials?

No.

| Roof mounted, and use the stubby ground plane elements?

Yes, the radials are probably about 10 feet long and should be fine. I didn't see the need to shorten mine.

| I just can't seem to find any good info on the 'net, so I thought I'd ask  
| my QRP-L buddies.

That's what we're here for.

----

73 de KA0GKC Claton Cadmus

ka0gkc@arrl.net

MNQRP #1

Minnesota QRP'ers we're looking for you!

Email me or visit this page <http://www.qsl.net/mnqrp>

-----  
Date: Thu, 16 Mar 2000 21:54:09 -0000

From: "Andy GM0NWI" <Gm0nwi@tesco.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [65857] SCAF Filter Info Needed ...!

Message-ID: <000501bf8f92\$43366a20\$3b55ac3e@q1n3l2>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Guy's....

A little change from my usual postin's for HW8 criteria...

This time, looking for info regarding the purchase of some IC's for a project that both I and my buddy Pete Milsom (pete.milsom@virgin.net) G4GSA are doin' at the moment...

The project in question is the Denton Bramwell (K7OWJ) which appeared originally in the July 1995 of QST..

Can anyone tell us where for definate, and how much, the IC's..MAX295's can be found from....??

Secondly if these chip's are a little hard to find... can someone tell us if the MAX297's are a good replacement for using in this design of the SCAF Filter in question..??

Would be greatful for anyone who has enough knowledge in this field to pass on their comments to either me or better still to pete at either of the e-mail address's here...

Lastly .....has anyone biult this filter..?? And if so...what did they think as in the way of operating experiences with it, .... did they modify it in anyway from the original circuit, if so how, and what was

the difference in performance...

We would love to hear all you're comments regarding this, lastly from both myself and pete, thanks for the bandwidth, looking forward to anything you might have for us..... the QRP fraternity does it again.

72s de Andy            gm0nwi@tesco.net

GM0NWI

"Long Live QRP...!"

GQRP No.9576

-----  
Date: Thu, 16 Mar 2000 17:19:36 -0500  
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>  
To: "'George T. Baker'" <w5yr@att.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [65858] RE: QRP operating articles?  
Message-ID: <125490A005E3D3118C9C00805FC743CC08D46B@mail.arrl.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"

Well, I DID get him to work the W1AW Black Cat event and W1FB, but that is because he likes certificates. He does own an HW-9, though, in absolutely mint condition, btw. Last heard, I think he is going to sell it, with all the accessories. If anyone wants to haggle with him, email to aa1do@arrl.org for a private, personal sale.

73 from ARRL HQ,  
Ed Hare, W1RFI  
ARRL Laboratory Supervisor  
225 Main St.  
Newington, CT 06111  
860-594-0318  
Internet: w1rfi@arrl.org  
ARRL Web: <http://www.arrl.org/>.  
ARRL Technical Information Service: <http://www.arrl.org/tis>.

-----Original Message-----

From: George T. Baker [mailto:w5yr@att.net]

Sent: Thursday, March 16, 2000 3:09 PM  
To: w1rfi@arrl.org  
Cc: Low Power Amateur Radio Discussion  
Subject: Re: QRP operating articles?

Ed, just how could Al, or any other ham, stay around you very long and NOT become a QRPer? ;^)

72/73, George  
Fairview, TX 30 mi NE Dallas in Collin county  
Amateur Radio W5YR, in the 54th year and it just keeps getting better!  
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556

"Hare, Ed, W1RFI" wrote:

>

> So, Al is not a QRPer, but he has some good ideas, so I keep him around.  
:-)

-----

Date: Thu, 16 Mar 2000 14:29:04 -0800 (PST)  
From: "Samuel A. Falvo II" <kc5tja@armored.net>  
To: qrp-l@lehigh.edu  
Subject: [65859] Re: Is this insane or what?  
Message-ID: <Pine.LNX.3.96.1000316142845.28056B-100000@garnet.armored.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 17 Mar 2000, Ian C. Purdie VK2TIP wrote:

> Date: Fri, 17 Mar 2000 08:40:28 +1100  
> From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>  
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
> Subject: Is this insane or what?  
>  
> News Report  
>  
> Iridium, the bankrupt satellite phone company whose money finally runs  
> out on Friday, is said to be preparing plans to burn up 66 satellites  
> worth \$7 billion. Its entire global network will be "de-orbited" as the

Source please?

--

KC5TJA/6, DM13, QRP-L #1447  
Samuel A. Falvo II

Oceanside, CA

-----  
Date: Thu, 16 Mar 2000 14:37:12 -0800  
From: John Paul Dooley <w6zip@gte.net>  
To: QRP-L@Lehigh.EDU  
Subject: [65860] Low Power Amateur Radio  
Message-ID: <38D16217.B40EC167@gte.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello from S.Cal!

I have acquired a pair of AEA DXHandy SSB/CW qrp rigs in like new condition and was wondering if you could point me in the direction towards anyone that has good experience in operating like rigs. Mine are the

10 and 6 meter models. I paid \$150 for the pair and think that I got a pretty good deal, as these rigs are like new, still in the original packaging and with operating manuals, etc. Also can anyone recommend a good company that sells crystals to use with these rigs, - the frequency coverage is any two 50 Khz segments of either respective band utilizing an A or B channel. Thank you in advance for any links or contacts that you can provide.

-73 (Much interested in utilizing QRP +p)

John Paul Dooley W6ZIP  
Victorville, Ca.

-----  
Date: Thu, 16 Mar 2000 14:37:35 -0800  
From: Allan G Taylor <agtaylor@llnl.gov>  
To: qrp-l@lehigh.edu  
Subject: [65861] LZ-bound K2 to be checked out tonight.  
Message-ID: <38D1622F.4B6@llnl.gov>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I have been a middleman in the acquisition of a built-up K2 for a Bulgarian ham. He is Rumi, LZ2RS, and a great guy. Anyway, I was able to locate someone willing to trade their K2 for an unbuilt kit so it could be conveyed to him in Bulgaria via a personal friend on an

upcoming visit. Long and wonderful story involving shining examples of QRP and ham radio spirit.

Anyway, the K2 arrived today and I will be checking it out to make sure it is still intact before conveying it to the non-amateur taking it to LZ-land. If you hear me on tonight or tomorrow night, please give a shout and an honest report on how it is doing. I will be mostly on 20 and 40m.

BTW: 10m was absolutely scorching hot to EU over noon today from CA. I worked 5 new ones towards the DXCC 2000 Millenium award in an hour's time. Almost had a 6th, but it hopped the hook to be caught again another day. 41 worked so far. They will start getting difficult here pretty soon...

73... and do look for me tonight / tomorrow night.

Allan K7GT

--

Allan Taylor K7GT agtaylor@llnl.gov  
DXCC/40CW DXCC 2000 Millenium award  
SOC #6 QRP ARCI #10146 HI/QRP #93

-----  
Date: Thu, 16 Mar 2000 14:42:05 PST  
From: "Doug Hendricks" <ki6ds@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [65862] Re: NorCal SMK-1 Rev 2 Prototype - Pictures & Schematic  
Message-ID: <20000316224205.51153.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Guys, Dave Fifield sent this to me late last night. Thought that you would enjoy the update. Surf over to [www.redhotradio.com](http://www.redhotradio.com) and take a look at the pictures and the schematic. Dave Fifield is awesome. By the way, full information on how to order are on the website also. Orders are over 330 and still coming in.

I just about have all of the parts separated. I hope to try a couple of kitting experiments this evening. One thing for sure, it doesn't take much space to store surface mount parts, grin.

Also, we will be shipping one of the two beta prototypes to George Heron on Monday, so that he will have one to show you at Atlanticon, yet another reason to be there!!! George will have the board mounted in the custom

designed NJ QRP Club SMK-1 Case kit. I hope he takes good pictures, because you guys will get to see it before Dave and I do. Enjoy. 72, Doug

>  
>Doug,  
>  
>I have updated the SMK-1 page on the RHR website with several pictures  
>of the new rev 2 prototype - the pictures show pretty much what will be  
>in the kit (except the PCB will be a nice solder masked, silk screened  
>one, not the prototype bare tinned one shown!). Also I have put the  
>"final" schematic up there for your perusal. You will need Adobe Acrobat  
>reader version 4.0 to be able to see this and/or print it.  
>  
>Go to <http://redhotradio.com> and click on the SMK-1 link on the left.  
>It's the one with the flashing NEW icon next to it.  
>  
>The rev 2 prototype worked perfectly first time - gave me 450mW output -  
>so it's ready for the production PCB order to go in tomorrow!  
>  
>Cheers es 72,  
>Dave Fifield, AD6A  
>  
>

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: Thu, 16 Mar 2000 16:46:00 -0600  
From: "Deitz, Harold L." <[hdeitz@ms.rose.cc.ok.us](mailto:hdeitz@ms.rose.cc.ok.us)>  
To: "'qrp-l@lehigh.edu'" <[qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)>  
Subject: [65863] RE: Is this insane or what?  
Message-ID: <0974781F4FC8D211A24600902727E806011B204C@saturn.rose.cc.ok.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

I hope one falls in my back yard. I have a big back yard.

Hal

-----  
Date: Thu, 16 Mar 2000 14:49:42 -0800  
From: Bill Jones <[kd7s@psnw.com](mailto:kd7s@psnw.com)>  
To: [Gm0nwi@tesco.net](mailto:Gm0nwi@tesco.net)

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [65864] Re: SCAF Filter Info Needed ...!  
Message-ID: <38D16506.25F5167D@psnw.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Andy,

I played with the Maxim filters a couple years ago and was very impressed with their performance. They do provide almost brick wall filtering. I suggest you begin your education by logging onto Maxim's website at

<http://www.maxim-ic.com/>

Look at the spec sheets for the SCAF family of chips. They are available (here at least) from Digikey ([www.digikey.com](http://www.digikey.com)).

One thing I learned from playing with them is that they are somewhat noisy. Don't try to use them right after a product detector. They are better suited for use a little further down the audio chain.

You can build some incredible audio low-pass filters with very few parts with these guys. The MAX 295 goes for around \$7.13 from Digikey, by the way.

Andy GMONWI wrote:

> The project in question is the Denton Bramwell (K7OWJ)  
> which appeared originally in the July 1995 of QST..  
>  
> Can anyone tell us where for definat, and how much, the  
> IC's..MAX295's can be found from....??

--

-----  
Bill Jones - KD7S <><  
Sanger, California  
<http://www.psnw.com/~kd7s>  
-----

-----  
Date: Thu, 16 Mar 2000 15:17:58 -0800  
From: Allan G Taylor <agtaylor@llnl.gov>  
To: qrp-1@Lehigh.EDU  
Subject: [65865] Re: LZ-bound K2 to be checked out tonight.  
Message-ID: <38D16BA6.1143@llnl.gov>  
MIME-Version: 1.0



Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Someone asked for frequencies I might be on.

14050-14064,

10104 - 10115, and

7030 - 7045.

Emphasis on QRP frequencies with some wiggling room.

The rig has the ssb module in it but I haven't a mike to fit it. It will be a strictly cw test. After all, Rumi thinks good cw is like listening to Mozart!! (My kind of guy, that)

See ya!

K7GT

--

Allan Taylor K7GT agtaylor@llnl.gov  
DXCC/40CW DXCC 2000 Millenium award  
SOC #6 QRP ARCI #10146 HI/QRP #93

-----

Date: Thu, 16 Mar 2000 18:25:54 EST  
From: K2UD@aol.com  
To: ka0gkc@arrl.net  
Cc: qrp-1@lehigh.edu  
Subject: [65866] Re: 11M groundplane for Ham Bands?  
Message-ID: <36.35606d8.2602c782@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

I have used a Hy-Gain Super Penetrator II 5/8 wave ground wave CB ground plane on 10 meters in years past. The top section of the vertical section conveniently slid down on my father's CB antenna, and I just had to see how it worked on 10M (it really did, I did nothing to hasten this!) The antenna was mounted on a 38' Radio Shack push-up mast.

To keep the spirit, I utilized a converted Radio Shack SSB/CB. Two sunspot peaks ago, I worked all around the world with this setup. The rig put out about 8W after conversion. Anything that I could hear with this rig/antenna I had no trouble working. At this time I was also running mobile with the

same rig, and a Larsen roof-mount 10M antenna. Same thing, Japan, Hawaii, Middle-East was as easy as working locals.

If you can get your hands on a 5/8 wave ground plane (not made anymore), put it up on 10M as high as you can possibly mount it. You will be amazed at the spectacular results using low power on SSB. Imagine running the same on CW!

72

Howard Kraus, K2UD

-----  
Date: Thu, 16 Mar 2000 16:46:50 -0700  
From: Bruce Kizerian <kizerian@ced.utah.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [65867] Re: HB: Low Phase Noise VFO  
Message-ID: <38D1726A.F16D7D51@ced.utah.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

A very interesting approach to reducing phase noise can be found at <http://www.maran.co.uk/ajc.htm>  
Click on the "View (or download) a copy of Maran & Co's Technology Bulletin: Anti-Jitter Circuits, in Adobe Acrobat format. You will find an article titled "The Anti-Jitter Circuit, An Important Approach to the Reduction of Phase Noise in Communication Systems". There is circuit on page 7 that looks easy to build and may have possibilities for a homebrew project.

Bruce kk7zz

Bruce Kizerian wrote:

> Does anyone have any good input or designs for building a  
> low phase noise VFO for in the 28Mhz range? Working on  
> another receiver project and could use some help with this.  
> As usual, I will share what I learn with the group.  
>  
> Thanks in advance  
>  
> Bruce kk7zz

-----

Date: Thu, 16 Mar 2000 17:48:45 -0600 (CST)  
From: Joe Reed <joe@n9jr.dyndns.org>  
To: qrp-l@lehigh.edu  
Subject: [65868] NB6M Paddle Construction Hint  
Message-ID: <Pine.LNX.4.05.10003161736090.3110-100000@n9jr.dyndns.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I live in Wisconsin, but perhaps I should move to Mo :)

After the March QST featured the NB6M paddles, previously seen on the NorCal site, and while awaiting the DSW-40 I had my annual physical. Ah, my doctor said stop eating so much meat, get more exercise (how? I ride 2K miles on bike in our short Wisconsin summer.) and do more stuff. OK - that means I need to carry a radio with me everywhere. Paddles - gulp, I carry a cell phone, palm pilot, and pager everywhere I go now. Ahh - NB6M paddles.

OK with that intro we are all into having nice looking stuff. Might I suggest using a scroll saw to cut the parts. I photocopied the page in QDT, glued it to the circuit board, and glued the circuit board to a bit of masonite as a carrier. [I have a Hegner with an aluminum table - users with a cast iron table may choose to eliminate the carrier.]

Cuts so well that no sanding or filing was necessary. And carries the profile of the paddle without modification.

The result was great, and now my only problem is getting an aero bar bag big enough for the battery and tuner :)

Joe N9JR

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End of QRP-L Digest 1762

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